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REPORT

1909 - 1910/11

OF THE

Minister of Lands, Forests and Mines

OF THE

PROVINCE OF ONTARIO

For Ten Months Ending 31st October

1909

3 vol. in 1.

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



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REPORT OF THE
Minister of Lands, Forests and Mines
OF THE
PROVINCE OF ONTARIO

For the Ten Months Ending 31st October, 1909.

*To His Honour THE HONOURABLE J. M. GIBSON,
Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of your Honour and the Legislative Assembly a report of the management of the Crown Lands of the Province for the ten months ending 31st October, 1909.

CLERGY LANDS.

The area sold during the ten months was three acres for \$5. The amount collected on account of sales of clergy lands was \$903.70. (See Appendix No. 3, page 6.)

COMMON SCHOOL LANDS.

The area of these lands sold during the ten months was 51 acres for \$144. The collection on account of these and former sales was \$6,088.60. (See Appendix No. 3, page 6.)

GRAMMAR SCHOOL LANDS.

The area of these lands sold during the ten months was 100 acres for \$50. The collection on account of these and former sales was \$807.90. (See Appendix No. 3, page 6.)

UNIVERSITY LANDS.

The area of these lands sold during the ten months was 3,740 for \$1,869.57. The collection on account of these and former sales was \$908.30. (See Appendix No. 3, page 6.)

CROWN LANDS.

There was sold for agricultural purposes during the ten months, 78,658 acres for \$128,154.28. There was collected on account of these and former sales \$118,995.12. There was sold for mining purposes 10,708 acres for \$363,635.78. There was collected on account of these sales \$235,098.04. There was leased for mining purposes 3,296 acres for \$3,295.64. There was collected on account of mining leases \$19,016.74. There was 8,265 acres leased for other than mining

purposes and collected on account of Crown leases \$6,911.12. The total area of lands of the Crown disposed of during the ten months was 104,821 acres, and the total collection on account of lands sold and leased was \$388,729.52.

The region lying north of Lake Temiskaming has continued to attract the largest number of settlers. The land is known to be good. It has been demonstrated beyond question that grains and roots of all varieties can be successfully grown there. The country is being opened up by the Temiskaming and Northern Ontario Railway, and colonization roads are being built in various directions. Labour has been in demand and good wages paid. The mining industry and the construction of the Transcontinental Railway have employed a large number of men, and there is a good market for all that can be grown. The actual settler who is residing on his lot with a small clearing of two acres has the privilege of selling any timber other than pine growing upon his land. Spruce is plentiful in the Temiskaming region and the bona fide settler can, therefore, earn considerable money taking out pulpwood which commands a ready sale. This enables him to remain on his lot during the winter months instead of having to go away in search of employment.

A number of townships were opened for settlement along the line of the Transcontinental Railway; a considerable area of land has been taken up therein and many settlers have gone into occupation. Other intending settlers are waiting the completion of the Transcontinental before moving their families in permanently. It is only a short time since the town site of Cochrane was put upon the market in what was a veritable wilderness. Now it is a flourishing incorporated town with a Mayor and Council and a population of about 800 souls. When the railway is constructed east and west, Cochrane, as the divisional point for both railways and an important junction, will no doubt become a large and flourishing town. The additional surveys made recently afford additional evidence that the statements concerning the agricultural possibilities of that great territory were if anything too moderate. The recent gold discoveries at Poreupine have given an added interest to that region, and as soon as the spring opens there will be a great influx of population.

In the Sudbury region, also in the vicinity of Port Arthur and Fort Frances, considerable settlement has taken place.

The Department has endeavoured to make certain that only land capable of cultivation is being taken up and that settlers prosecute their improvements in compliance with the law and regulations. Lands are inspected upon application being made, and if they are not suitable for agriculture they are not sold. Careful and systematic inspection of sold and located lands is made in order to see that parties are in residence and prosecuting their settlement duties in a satisfactory manner. If they fail to do so they are immediately warned to go into actual residence within a certain period and failure to do this entails forfeiture of their claim. By means of these inspections settlers are kept alive to their duties, and people taking up land, hoping to strip it of the timber, are balked in their efforts.

FREE GRANTS.

The best land available in the old free grant districts has been taken up. The Department has considered that a location should not be taken up as a farm unless it has enough land to warrant the expectation that a man can make a living on it by agricultural pursuits, for which purpose at least 50 per cent. of it should be good land. In old townships, too, there is a desire to obtain land just to strip it

of its timber and then abandon it. The close inspections we are now making are having a good effect and people are realizing that they must take up land to farm it, not dispose of the timber and then leave it. In the carrying out of this policy it is inevitable that there should be disappointment and complaint on the part of those who cannot get the timber they want, and sometimes on the part of the licensees when the Department locates lots covered by their licenses which are good for agricultural purposes.

During the year 1909 two new townships were opened for settlement, Morson and Temple, the former in the Rainy River Valley, attached to the Stratton Agency, and the latter in Kenora district, attached to the Dryden Agency. These townships were opened under Section 4, Chapter 8, Edward VII., which provides that the pine and minerals may be included in a free grant location or sale. Settlers in these townships, after having been in occupation for six months with a house 16 x 20 feet, and six acres cleared and under crop, are entitled to dispose of all pine trees free of any charge. Already a number of settlers have availed themselves of the opportunity of locating in these townships.

MILITARY GRANTS.

During the year 1909, only 30 Military Certificates were issued; this brings the total number granted, under 1 Edward VII., Cap. 6, to 13,987.

Location certificates issued this year numbered 250, and 350 new locations were made, bringing the total number of locations up to 7,195.

\$50.00 each were paid for 161 military certificates surrendered to the Crown, making a total of 3,211 disposed of in this way.

There were 434 notices issued to military settlers and assignees of veterans, calling upon them to show that they were in actual occupation and the nature of the duties they have performed.

THE MINING INDUSTRY.

The production of ores and minerals proceeded vigorously during the ten months ending 31st October, 1909, but until the statistics for the calendar year are compiled, an exact comparison cannot be made with previous years.

The silver mines of the Cobalt camp again surpassed all their previous records, and judging from the output during the ten months, the total yield for 1909 will be not less than 25,000,000 ounces, and will possibly exceed that quantity. The chief producing mines continue as before, namely: Nipissing, Crown Reserve, Kerr Lake, O'Brien, Buffalo, Coniagas, Trethewey, Temiskaming, McKinley-Darragh-Savage, etc. The output of silver in Ontario for 1909 will probably be about one-half that of the entire United States during the same period.

The newer silver fields are coming into yield, namely, South Lorrain, Elk Lake and Gowganda; shipments from mines in all three districts will doubtless be made when the winter roads are available.

Towards the close of the ten months' period, reports of the discovery of rich gold ores came from the neighbourhood of Porcupine Lake in the Townships of Tisdale and Whitney, lying north of the height of land between Hudson Bay and the great lakes, and about 30 or 35 miles due west of Matheson Station on the Temiskaming and Northern Ontario Railway. Investigations showed the reports to be correct; a number of quartz veins from one foot to 25 feet and over in width and of considerable length having been located, with fine showings of free

gold in many places. One deposit exhibited a width of 75 feet and much free gold. A rush followed upon the discoveries being made known and there is every likelihood of many claims being staked out during the coming months. Should the veins prove to be of workable value and depth, there are good prospects for the establishment of a permanent gold mining camp, since the bodies of ore are large.

Nickel-copper mining in the Sudbury district has also been active, and the aggregate output of nickel and copper in the form of matte will probably prove to be greater in 1909 than in any previous year. The Province of Ontario now produces from 60 to 70 per cent. of the world's supply of nickel. The producing companies are the same as before, namely, the Canadian Copper Company, Copper Cliff, and the Mond Nickel, Victoria Mines. The Dominion Nickel-Copper Company have undertaken the exploitation of the Whistle mine and other deposits of ore near Blue Lake on the North Nickle Range, and are proposing to construct a branch line of railway from the Canadian Northern through the Township of Norman to the mines.

The total revenue from mining sources for the ten months was \$254,114.78.

COLLECTIONS.

The total collections of the Department from all sources for the ten months ending 31st October was \$2,028,224.48. Of this amount \$235,098.04 was derived from mining lands; \$338,426.66 from royalties; \$885,892.44 from woods and forests; \$49,730.03 from supplementary revenue; \$108,701.00 from mining licenses and \$110,772.95 from recording fees. (See Appendix No. 4, page 7.)

DISBURSEMENTS.

The gross expenditure of the Department for all services during the ten months was \$522,813.23. The principal services were: Agents' salaries and disbursements, \$40,475.76; forest ranging, \$46,656.69; fire ranging, \$132,827.26; forest reserves, \$65,992.22; mines and mining, \$17,197.79; exploration and investigations, \$12,639.00; mining recorders, \$22,651.77; surveys, \$83,357.33; veterans' commutation, \$8,050.00; provincial mines, \$13,777.72; refunds, \$14,064.53; parks, \$11,847.82; contingencies, \$31,609.19. (See Appendices Nos. 6 and 7, pages 9 to 47.)

WOODS AND FORESTS.

The total revenue from Woods and Forests for ten months was \$885,892.44, consisting of Bonus, \$285,571.41; Timber dues, \$529,422.50; Ground Rent, \$68,528.53; Transfer Fees, \$2,370.00. (See Appendix No. 4, page 7.) The revenue from Timber dues, being for ten months only, ending 31st October, is small as compared with amounts appearing in previous reports. The explanation is that the accounts for the previous season's cutting were not collected, as they do not accrue due until the 1st December following the winter in which the cutting took place. The Bonus consists of deposits made on account of the sale held in the month of September. For a number of years a system of issuing permits to cut timber for railway and other purposes had prevailed. The system was originally established to meet an emergency which had largely passed away, and it appeared reasonable that so far as possible no timber in that region should be disposed of except by public sale. Plenty of notice was given of the intended change and in conformity with such notice no permits were renewed after the 30th April last. It seemed proper

that those who had been operating and were still contracting and had acquired lumbering plants and mills, etc., under a proper system of public sale and license, should be given an opportunity of acquiring timber to enable them to carry on their business. The Department had been preparing for the proposed change and had the territory formerly under permit and some additional areas damaged by fire, surveyed into berths and estimated and put them up for public competition on the 15th day of September last. Many of the berths offered had been previously cut over under permit and, therefore, the sale was largely a cleaning up sale. The timber was sold by the thousand feet with the object of making sure that the Crown would be paid for every foot on the territory, and that the purchaser would only pay for what he got. Under the old system of selling by the mile the estimates were often faulty, and the Province did not get paid for all the timber on the berths. Under the present system strict justice is done both the buyer and seller as to quantity. The purchasers were required to deposit substantial sums as security for the due performance of all the conditions. The sale was very successful in that good prices were obtained, much beyond what was expected in many instances. The damaged timber is now being cut so that the fire loss will not be large.

A serious fire having occurred in the Mississaga Reserve, the damaged timber in that Reserve was also divided into berths and offered for public competition. The bids were to be on the basis of a thousand feet B.M.—that is to say, parties were invited to state how much per thousand feet B.M. they were willing to pay for the timber in addition to \$2 per thousand feet dues and \$5 per mile ground rent. It was also a condition of the sale that all timber should be measured by cullers appointed by the Department whose measurements are to be the basis of payment as the timber is removed, the licensees paying half the expense. The right to cut is limited to a period of ten years, after which the timber remaining is to revert to the Crown.

The lumber trade is in a better condition because there is an increased demand and an advance in prices. What effect the tariff legislation of the United States will have when applied remains to be seen. The output for the season of 1909-10 is estimated to be from sixty to one hundred millions in excess of last year.

FIRE RANGING.

The fire ranging system has been continued on the same lines as described in my last annual report. The history and regulations of this important service were reviewed and explained last year, and it is, therefore, unnecessary to refer to anything except the work of last season. The danger points are, along the lines of railways under construction, in Forest Reserves where mineral prospecting or development is going on, and on licensed territory where settlers are clearing land. It is a testimony to the good effect of the service on licensed lands that very few fires are reported as having been caused by clearing of land by settlers.

In the Mississaga Forest Reserve as well as in the Temiskaming forest fires occurred. The quantity of timber damaged in the Mississaga would probably be seventy-five million feet. As the fire ran in streaks it was necessary to sell the green timber interspersed through the burnt. Every effort was made to trace the cause of this fire and fix the responsibility, but it was found impossible to do so. Serious fires had occurred on territories south of the Reserve damaging licensed territory, and the fire which injured the Reserve ran up from the licensed lands. There were a few fires in the Temagami Reserve which damaged small quantities of red

and white pine of the Crown and spruce and jack pine, the property of the pulp concessionaire. The quantity of pine was offered for sale and is being cut this winter. It is expected between two and three million feet will have to be cut. It was impossible to establish the origin of the fire or bring it home to any particular person. There are hundreds of miners and prospectors moving about, and working in this Reserve, using fire for cooking, for warmth, smudges for flies and smoking. We have a large staff of fire rangers on duty in this Reserve under two efficient superintendents and they are believed to give good service. Considering how careless the average man is in the use of fire it is not to be wondered at that we had fires in this immense reserve during last summer, which was the driest and most prolific of forest fires we have had for years. In the Nepigon Reserve we had a few fires, but no large quantity of timber was damaged. In the Quetico Reserve in Rainy River District no fires were reported. In the Eastern Reserve there were no serious fires, nor were there any in the Thunder Cape Reserve. In the case of these Reserves, as on the licensed territory and that in the Crown, the great value of the fire ranging system is the prevention of forest fires by warning everybody to be careful in the use of fire, by rangers moving about and letting people know they are on the spot prepared to enforce the law, and generally inculcating a spirit of care and respect for the law on the part of every one with whom they come in contact. They are able to suppress fires before they attain any large proportion and put out smouldering fire after a rain. After a forest fire attains considerable proportions it is impossible to control it. In Forest Reserves the rangers have to move in canoes to some extent, but a good deal of their work is done on land. In selecting the ranging staff every effort is made to ascertain if the applicant for the position is a good canoe man, and if he is he is selected for Reserve work. It sometimes occurs that a ranger is not as good a canoe man as those experts he comes in contact with and criticism arises. It also happens that rangers, like other individuals, are careless, or the victims of accident, and frequently criticism without a knowledge of the circumstances is unfair and unjust. In some cases rangers have lost their tents and blankets by fire. The loss has been made the subject of investigation, and if it appears the loss was the result of carelessness or ignorance the ranger is charged up with the loss whatever it may be. If, on the other hand, it has occurred through an accident that might have happened to any one, nothing is done beyond cautioning the ranger to be careful. The Department obtains a report each season on the capacity of each man, and if any man is careless or is no use he is not again employed.

On the lines of railway where rangers are employed the territory is divided up into ten-mile beats and placed in charge of two rangers. They camp on the centre of the ten-mile beat and every day one goes five miles in one direction and back at night, the other does the same in the other direction. They post up proclamations, interview the foremen of the work and tell them what is required to be done and request them to caution their men to be careful in the use of fire, etc. Passing along the work every day they can soon judge whether proper precautions are observed, and call the foreman's attention to any neglect, and if necessary put the law in motion to punish the offender. Rangers have been put on the T. & N. O. in this way, on the Canadian Pacific and the Canadian Northern where necessary and Port Arthur Junction Railway, and these railway companies have aided the rangers in every way possible, and paid for them at the end of the season. Until quite recently the great pulpwood forest lying on the height of land and extending on both sides has been quite safe from danger, there being no dangerous element there.

Now the region has been pierced by the Transcontinental Railway from one end to the other, thousands of men being employed, a large proportion of whom are foreigners without any knowledge of our laws or efforts to preserve the forests from destruction, and caring nothing whether it is burnt up so long as they can use fire to suit their object. They have no interest in or care for public property. This makes the whole line of construction a menace to the forests on each side of it. Not only so but tote roads are built which are veritable lines of danger to the forests on each side. The Province is not responsible for this danger, as the railway builds under Dominion legislation, and we cannot enforce our legislation with respect to efficient protection. It was hoped, as the danger was caused by the construction under the Dominion Government, that in common with other railways they would bear a share of the expense of fire protection, but so far no contribution has been made.

The fire ranging on licensed territory as heretofore has been conducted by men selected by the Timber Licensees. The work has been efficiently performed and continues to give satisfaction to the limit holders. The number of Rangers on Forest Reserves was 185 and the cost was \$65,992.22. The number on railways was 187 and the cost was \$66,712.49. The number on licensed lands was 450, costing \$66,114.71. The railways refund the expense, except the Transcontinental, which contributes nothing. The Licensees pay half the expense of fire ranging on their limits.

CULLERS' EXAMINATIONS.

Cullers' Examinations were held at North Bay, Arnprior, Thessalon, Kenora and Fort Frances. Fifty-eight candidates were successful at these examinations and were granted certificates authorizing them to act as cullers.

(For list of cullers see Appendix No. 28, pages 87 to 98.)

CROWN SURVEYS.

The following Crown Surveys have been undertaken this year:—

Instructions for subdivision of two townships were issued, namely:—

District of Nipissing, Township of Blount. District of Kenora, Township of Wabigoon.

Instructions also issued for a number of base and meridian lines and township outlines in the Mississaga Forest Reserve and in the Temagami Forest Reserve.

The base and meridian lines were in the Districts of Sudbury and Algoma and there were 190 miles run.

Survey of outlines of townships in the Temagami Forest Reserve, 457 miles run.

Survey of township outlines in the Mississaga Forest Reserve, 347 miles run.

A number of timber berths in the Districts of Thunder Bay, Rainy River and Kenora, Algoma and Nipissing, have also been surveyed during the year.

The town plot of Gowganda has also been laid out, also an addition to the town plot of Smyth, in the District of Nipissing, also preliminary surveys of several proposed town sites.

The survey of Lake Abitibi and Islands therein has been completed.

Several other minor surveys have been performed.

The reports of the surveyors of the base and meridian lines in the Clay Belt in Northern Ontario continue to give favourable impressions on the soil passed over by their lines.

The surveyors' reports so far as received and examined will be found in Appendices 16 to 25 inclusive, pages 60 to 83 inclusive.

MUNICIPAL SURVEYS.

On the petitions of the municipal councils of the town of Niagara, town of Haileybury, township of Winchester and town of Niagara, instructions have been issued to survey the lines of certain streets in the several towns and to survey the concession line and road between the 10th and 11th concessions of the township of Winchester across lots Nos. 12, 13, 14, 15, 16, and the west half of lot No. 17, in the 10th concession thereof.

The following municipal surveys have been confirmed under the provisions of the Revised Statutes of Ontario, 1897, Chapter 181, sections 14 and 15, such surveys being final and conclusive. The original road allowance between the 3rd and 4th concessions of the township of Garafraxa. The boundary road allowance between the township of McKillop and Grey.

Particulars relating to these surveys will be found in Appendices No. 14 and 15, pages 58 and 59.

MINING AND OTHER SURVEYS.

The Mining Act of Ontario requires that applicants to purchase or lease mining lands in unsurveyed territory shall file in the Department, surveyor's plans (in triplicate) of the proposed mining claims with field notes and description by metes and bounds, before any sale or lease can be carried out, and under Orders-in-Council, dated February 26th, 1906, 2nd October, 1907, 7th November, 1907, applicants to purchase islands, or locations for pleasure and summer resorts or for agricultural purposes in unsurveyed territory, are required to file surveyor's plans (in triplicate) of their islands or locations as the case may be, with field notes and descriptions by metes and bounds, together with the necessary affidavits as to there being no adverse claim by occupation or improvement, etc.

Under the above Act, Orders-in-Council and Regulations in the Districts of Parry Sound, Nipissing, Sudbury, Algoma, Thunder Bay, Rainy River and Kenora, an area of 14,298 acres has been sold and patented during the year, for which the sum of \$185,394.22 has been received, and an area of 17,040 6-10 acres has been leased at \$1 per acre for the first year's rental.

F. COCHRANE,

Minister.

DEPARTMENT OF LANDS, FORESTS AND MINES,

Toronto, October 31st, 1909.

APPENDICES.

Appendix No. 1.

Return of Officers and Clerks of the Department of Lands, Forests and Mines for 10 months ending October 31st, 1909.

Branch.	Name.	Designation.	When appointed.	Salary per annum.	Remarks.
	Hon. F. Cochrane	Minister	1905, May 13.	\$ 6,000 00	
	Aubrey White	Deputy Minister	1882, Jan. 1.	4,000 00	
	George Kennedy	Law Clerk	1872, Feb. 1.	2,500 00	
	George W. Yates	Minister's Secretary	1899, Feb. 26.	2,000 00	
	E. S. Williamson	Secretary to Department	1889, May 1.	1,650 00	
	Janet Garvie	Stenographer	1905, Jan. 1.	650 00	
	M. M. McCrea.	do	1907, April 12.	550 00	
	J. J. Murphy	Chief Clerk	1872, May 1.	2,000 00	
	Walter C. Cain.	Clerk	1903, March 6.	1,450 00	
	W. R. Ledger	do	1894, Feb. 5.	1,100 00	
	Selby Draper	do	1903, Jan. 1.	1,100 00	
	W. A. Collins	do	1906, July 1.	800 00	
	S. A. Platt	do	1907, March 13.	900 00	
	F. Lucas	do	1909, March 24.	850 00	
	F. Samuels	do	1909, March 24.	700 00	
	May Bengough	Stenographer	1896, Oct. 23.	650 00	
	Jean C. Oram	do	1907, Jan. 16.	575 00	
	Nan McQueen	do	1909, March 24.	550 00	
	R. H. Browne	Chief Clerk	1900, March 2.	1,700 00	
	R. T. Winter	Clerk	1904, Jan. 13.	900 00	
	E. F. O'Neil	Stenographer	1904, Nov. 9.	575 00	
	E. M. Browne	Clerk	1909, March 24.	550 00	
	G. B. Kirkpatrick	Director of Surveys	1866, Jan. 30.	2,450 00	
	J. F. Whitson	Surveyor and Draughtsman	1892, Sept. 1.	2,100 00	
	L. V. Rorke	Asst Surveyor & Draughtsm'n	1909, May 1.	2,000 00	
	W. F. Lewis	Clerk	1872, Feb. 5.	1,150 00	
	D. G. Boyd	Draughtsman	1897, Sept. 27.	1,350 00	
	E. M. Jarvis	Clerk	1904, Oct. 19.	1,050 00	
	J. B. Proctor	do	1897, Jan. 15.	1,000 00	
	H. Treeby	Draughtsman	1904, Jan. 13.	1,050 00	
	J. H. Patterson	do	1906, April 21.	800 00	
	F. C. Blanchet	do	1907, March 13.	850 00	
	J. L. Byrne	do	1909, March 24.	850 00	
	Alexander Leaman	do	1909, March 24.	850 00	
	M. H. Kirkland	Stenographer	1904, Nov. 23.	575 00	
	E. G. Halliday	do	1909, March 24.	550 00	
	C. S. Jones	Chief Clerk	1890, May 22.	1,800 00	
Sales and Free Grants					Died August 12, 1909.
Military Grants					
Surveys and Patents					Resigned April 1, 1909.

C. E. Burns	Clerk	1900, April 9.	1,050 00
W. S. Sutherland	do	1902, Jan. 13.	1,100 00
W. Carrell	do	1904, Jan. 15.	1,000 00
A. E. Robillard	do	1894, May 8.	900 00
A. E. Roe	do	1909, March 24.	800 00
J. A. G. Crozier	Chief Clerk	1867, Dec. 1.	2,050 00
Kenneth Miller	Clerk	1891, Nov. 1.	1,300 00
J. B. Cook	do	1898, Aug. 1.	1,450 00
H. Gillard	do	1900, April 9.	1,200 00
F. J. Niven	do	1903, March 6.	1,050 00
F. W. Trivett	do	1904, Jan. 13.	1,000 00
R. H. Hodgson	do	1904, Nov. 23.	950 00
John Houser	do	1907, March 13.	950 00
Chester Dies	do	1907, March 13.	850 00
A. J. Lamb	do	1907, March 13.	850 00
A. H. O'Neil	do	1909, March 24.	750 00
G. W. Harris	do	1909, March 24.	700 00
Florence Lennan	Stenographer	1907, March 13.	575 00
Winnifred M. Morrow	do	1907, July 1.	550 00
Amy Thompson	do	1909, March 24.	550 00
Mary E. Bliss	do	1909, Sept. 1.	500 00
D. George Ross	Accountant	1861, April 15.	2,200 00
E. Leigh	Clerk	1873, Dec. 20.	1,200 00
H. M. Lount	do	1904, Jan. 13.	1,200 00
H. E. Johnston	do	1907, March 13.	1,000 00
H. G. Harris	do	1907, March 13.	900 00
C. J. Clarke	do	1907, March 13.	900 00
Frank Yeigh	Registrar	1880, March 1.	1,500 00
H. Cartwright	Clerk	1893, Oct. 1.	1,200 00
Thomas W. Gibson	Deputy Minister	1891, June 19.	3,250 00
R. D. Fisher	Secretary	1907, March 13.	1,050 00
W. H. Morris	Clerk	1907, March 13.	900 00
R. A. Sinclair	do	1907, March 13.	900 00
W. Lemoine	do	1908, April 8.	900 00
A. Burritt	do	1908, April 8.	900 00
Anne Moffatt	do	1901, March 1.	850 00
D. H. Barr	do	1907, March 13.	900 00
A. G. Scovill	do	1909, March 24.	800 00
Ethel Craig	Stenographer	1906, May 16.	625 00
Flossie McDougall	do	1907, March 13.	575 00
J. L. McNaughton	do	1909, March 24.	575 00
H. Brophy	Messenger	1893, Oct. 1.	700 00

Resigned August 5, 1909.

Resigned September 23, 1909.

AUBREY WHITE,

Deputy Minister Lands and Forests.

D. GEO. ROSS,

Accountant.

Appendix No. 2.

List of Land Agents and Homestead Inspectors for ten months ending October 31st, 1909.

Name.	Post office address.	District or county.	Date of appointment.	Salary per annum.	Remarks.
Baker, R. H.	Minden	Part of Victoria	1907, Oct. 1	\$ c.	
Barry, James	Fort Frances ..	Homestead Inspector	1906, Nov. 23 ..	350 00	
Belyea, C. W.	Kenora	Part of District of Rainy River ..	1907, Jan. 16 ..	200 00	
Both, Charles	Denbigh	do Frontenac and Addington	1905, Oct. 20 ..	300 00	
Brown, James B.	Bracebridge	Homestead Inspector and Crown Land Agent ..	1905, July 28 ..	100 00	
Eyers, R. J.	Massey	Part of District of Sudbury	1905, July 3	900 00	
Buchanan, Thomas ..	Thessalon	do Algoma	1901, Nov. 30 ..	500 00	
Burnes, C. W.	Parry Sound	Homestead Inspector	1905, Nov. 15 ..	300 00	
Campbell, William ..	Stratton Station ..	Part of District of Rainy River ..	1897, Aug. 12 ..	900 00	
Campbell, J. G.	Cochrane	do Nipissing	1908, Nov. 19 ..	500 00	
Chester, Thomas	New Liskeard	Homestead Inspector	1906, June 8	1,200 00	
Child, Frank A.	Matheson	Part of District of Nipissing	1909, Jan. 8	500 00	
Dean, Thomas	Sault Ste. Marie ..	Homestead Inspector	1908, July 29 ..	600 00	
Eastland, T. G.	Apsley	Part of County of Peterboro	1896, July 10 ..	300 00	
Ellis, H. J.	Powassan	do District of Parry Sound	1909, May 21 ..	500 00	
Freeborn, Dr. J. S.	Magnetawan	do do Parry Sound	1905, Nov. 10 ..	500 00	
Grills, John J.	New Liskeard	Lake Temiskaming, District of Nipissing ..	1905, July 3	500 00	
Groulx, R. J.	Chelmsford	Homestead Inspector	1906, May 7	500 00	
Hollands, C. J.	Fort Frances	Town Plot of Alberta and part of District of Rainy River		600 00	
Hughes, Thomas	Murillo	Homestead Inspector	1892, Oct. 12	300 00	
Jenks, James	Mattawa	Part of District of Nipissing	1908, July 20 ..	600 00	
Jenkin, William	Emsdale	do do Parry Sound	1908, March 31 ..	500 00	
Keefer, Harold A.	Port Arthur	do do Thunder Bay	1908, July 29 ..	500 00	
Lemieux, J. A.	Bleazard Valley ..	do do Sudbury	1907, Oct. 30 ..	500 00	
MacLennan, J. K.	Sudbury	do do Sudbury	1908, June 26 ..	400 00	
McFayden, Alex	Eno	do do Rainy River	1905, July 3	500 00	
Parsons, W. J.	North Bay	do do Nipissing	1905, Sept. 8 ..	500 00	
Phillion, James A.	Sturgeon Falls ..	do do Nipissing	1908, April 8 ..	500 00	
Powell, Fred R.	Parry Sound	do do Parry Sound	1907, Sept. 13 ..	500 00	
Prince, Adam	Wilno	do do Renfrew	1907, May 31 ..	500 00	
Pronger, R. H.	Dryden	do District of Rainy River	1905, July 12 ..	500 00	
			1906, May 7	300 00	Retired Aug. 11, 1909.

Quenneville, Isadore	Sturgeon Falls...	Homestead Inspector	1906, May 7....	600 00
Rothwell, B. J.	Sault Ste. Marie.	Part of District of Algoma.	1909, March 1...	300 00
Scarlett, J. S.	Powassan	do do Parry Sound	1880, June 17...	500 00
Spry, W. L.	Kenora	do do Rainy River	1909, Sept. 21	300 00
Tait, J. R.	L'Amable	Part of Hastings.	1869, May 28 ..	500 00
Wilson, James	Kinmount	do Peterboro.	1905, May 31...	150 00
Warren, D. B.	Pembroke	do Renfrew	1905, July 3....	300 00
Wright, E. A.	Warren	do District of Sudbury	1905, July 14...	500 00
Whybourne, W. E. ...	Marksville	do St. Joseph Island	1905, April 7....	250 00
Watson, T. P.	Englehart	Assistant Homestead Inspector	1905, May 10...	760 00
Woollings, Joseph...	Englehart, J.	Part of District of Nipissing	1908, June 30 ..	500 00
Young, H. N.	Sault Ste. Marie.	do do Algoma	1901, Nov. 23 ..	300 00

Died May 21, 1909.
Also Mining Recorder.

Resigned, Feb. 28, 1909.

D. GEO. ROSS

Accountant.

AUBREY WHITE,

Deputy Minister Lands and Forests.

Appendix No. 3.

Statement of Lands Sold and Leased. Amount of Sales and Leases and Amount of Collections for 10 months ending October 31st, 1909.

Service.	Acres sold and leased.	Amount of sales and leases.	Collection on sales and leases.
<i>Crown Lands:</i>		\$ c.	\$ c.
Agricultural	78,658	128,154 28	118,995 12
Mining	10,708	363,635 78	235,098 04
Clergy Lands	3	5 00	903 70
Common School Lands	51	144 00	6,088 60
Grammar School Lands	100	50 00	807 90
University Lands	3,740	1,869 57	908 30
<i>Leases:</i>			
Mining	3,296	3,295 64	19,016 74
Crown	8,265	527 00	6,911 12
	104,821	\$497,681 27	\$388,729 52

D. GEO. ROSS.
Accountant.

AUBREY WHITE,
Deputy Minister Lands and Forests.

Appendix No. 4.

Statement of Revenue of the Department of Lands, Forests and Mines for 10 months ending October 31st, 1909.

Service.	\$	c.	\$	c.	\$	c.
LAND COLLECTIONS.						
<i>Crown Lands:</i>						
Agricultural	118,995	12				
Mining	235,098	04				
			354,093	16		
Clergy Lands	903	70				
Common School Lands	6,088	60				
Grammar School Lands	807	90				
University Lands	908	30				
			8,708	50		
<i>Rent:</i>						
Mining Leases	19,016	74				
Crown Leases	6,911	12	<i>omit</i>			
			25,927	86		
Mining Licenses	108,701	00				
Recording Fees	110,772	95				
			219,473	95		
Royalties	338,426	66				
Provincial Mines	115,411	71				
			453,838	37		
<i>Supplementary Revenue:</i>						
Acreage Tax	10,719	85				
Profit Tax	28,812	60				
Gas Tax	10,197	58				
			49,730	03		
					1,111,771	87
WOODS AND FORESTS.						
Bonus			285,571	41		
Timber Dues			529,422	50		
Ground Rent			68,528	53		
Transfer Fees			2,370	00		
					885,892	44
Provincial Assay Fees	789	60				
Casual Fees	523	83				
Cullers' Fees	352	00				
			1,665	43		
Rondeau Park	288	50				
Algonquin Park	438	50				
Forest Reserves	400	35				
			1,127	35		
					2,792	78
REFUNDS. <i>omit</i>						
Wood Ranging			1,384	56		
Fire Ranging			24,511	41		
Diamond Drill			1,517	42		
Surveys			200	00		
Quebec Agency			14	00		
Agents' Salaries			50	00		
Temagami Timber Cutting			30	00		
Inspection Fees			10	00		
Explorations and Investigations			10	00		
Contingencies			40	00		
					27,767	39
					2,028,224	48

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 5.

Statement of Receipts of the Department of Lands, Forests and Mines for 10 months ending October 31st, 1909, which are considered as Special Funds.

Service.	\$ c.	\$ c.
<i>Clergy Lands.</i>		
Principal.....	501 90	
Interest.....	401 80	903 70
<i>Common School Lands.</i>		
Principal.....	2,020 45	
Interest.....	4,068 15	6,088 60
<i>Grammar School Lands.</i>		
Principal.....	319 85	
Interest.....	488 05	807 90
<i>University Lands.</i>		
Principal.....	796 14	
Interest.....	112 16	908 30
		\$8,708 50

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 6.

Statement of Disbursements of the Department of Lands, Forests and Mines for 19 months ending October 31st, 1909.

Service.	\$	c.	\$	c.	\$	c.
AGENTS' SALARIES.						
<i>Land.</i>						
Baker, R. H.....	291	66				
Belyea, C. W.....	187	40				
Both, Charles.....	83	34				
Brown, James B.....	750	00				
Buchanan, Thomas.....	250	00				
Byers, R. J.....	416	66				
Campbell, John G.....	473	86				
Campbell, William.....	416	66				
Child, F. A.....	395	77				
Eastland, T. G.	250	00				
Ellis, H. J.....	223	66				
Freeborn, J. S.....	416	66				
Grills, J. J.....	416	66				
Hollands, C. J.....	250	00				
Jenks, James.....	416	66				
Jenkin, William.....	416	66				
Keefer, H. A.....	416	66				
Lemieux, J. A.....	333	34				
McFayden, Alex.....	416	66				
MacLennan, J. K.....	416	66				
Parsons, W. J.....	416	66				
Phillion, J. A.	416	66				
Powell, F. R.....	416	66				
Prince, Adam.....	416	66				
Pronger, R. H.....	250	00				
Rothwell, B. J.....	200	00				
Scarlett, James.....	193	00				
Tait, J. R.....	416	66				
Warren, D. B.....	250	00				
Whybourne, W. E.....	179	16				
Wilson, James.....	125	00				
Woollings, Joseph	416	66				
Wright, E. A.	416	66				
Young, H. N.	50	00				
			11,402	75		
<i>Timber.</i>						
Christie, W. P.....	1,333	33				
Hawkins, S. J.....	1,166	66				
Henderson, Charles.....	1,333	33				
Howie, R. J.....	1,000	00				
Johnson, S. M.....	1,333	33				
McDonald, Hector.....	1,166	66				
Margach, William.....	1,333	33				
Maughan, Joseph.....	1,166	66				
Oliver, J. A.....	1,250	00				
Stevenson, A.....	1,166	66				
McDougall, James T.....	1,333	33				
Watts, George (Acting Agent)	1,170	00				
			14,753	29		
<i>Homestead Inspectors.</i>						
Barr, James.....	1,000	00				
Burnes, C. W.....	750	00				
Chester, Thomas.....	1,000	00				
Carried forward.....	2,750	00	26,156	04		

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>	2,750 00	26,156 04	
<i>AGENTS' SALARIES.—Continued.</i>			
<i>HOMESTEAD INSPECTORS.—Concluded.</i>			
Dean, Thomas.....	500 00		
Groulx, R. J.....	500 00		
Hughes, Thomas.....	500 00		
Quenneville, I.....	500 00		
Watson, T. P.....	760 00		
		5,510 00	
<i>AGENTS' DISBURSEMENTS.</i>			
<i>Land.</i>			
Belyea, C. W.....	87 40		
Brown, James B.....	127 80		
Buchanan, Thomas.....	11 50		
Byers, R. J.....	9 96		
Campbell, John G.....	46 25		
Campbell, William.....	19 50		
Child, F. A.....	10 90		
Jenks, James.....	14 02		
Jenkin, William.....	6 73		
Keefer, H. A.....	30 95		
McFayden, Alex.....	70 74		
MacLennan, J. K.....	91 94		
Parsons, W. J.....	13 75		
Phillon, J. A.....	10 99		
Powell, F. R.....	14 00		
Prince, Adam.....	30 00		
Pronger, R. H.....	33 04		
Rothwell, B. J.....	1 00		
Scarlett, James.....	3 00		
Spry, William L.....	6 00		
Warren, D. B.....	5 04		
Whybourne, W. El.....	2 00		
Wilson, James.....	20 94		
Woollings, Joseph.....	21 50		
		688 95	
<i>Timber.</i>			
Christie, W. P.....	311 48		
Hawkins, S. J.....	352 38		
Henderson, Charles.....	258 64		
Howie, R. G.....	352 06		
Johnson, S. M.....	82 05		
McDonald, Hector.....	424 95		
Margach, William.....	975 50		
Maughan, Joseph.....	421 96		
Oliver, J. A.....	845 83		
Stevenson, A.....	454 27		
McDougall, J. T.....	136 19		
Watts, George (Acting Agent).....	350 02		
		4,965 33	
<i>Homestead Inspectors.</i>			
Barr, James.....	471 25		
Burnes, C. W.....	490 99		
Chester, Thomas.....	190 45		
	1,152 69		
<i>Carried forward</i>		37,320 32	

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>	1,152 69	37,320 32	
AGENTS' DISBURSEMENTS.— <i>Concluded.</i>			
HOMESTEAD INSPECTORS.— <i>Concluded.</i>			
Dean, Thomas.....	151 10		
Groulx, R. J.....	344 80		
Hughes, Thomas.....	155 95		
Quenneville, I.....	129 06		
Watson, T. P.....	317 95	2,251 55	
<i>Miscellaneous.</i>			
Ames, D. H., Caretaker Islands in Dog and Lough- borough Lakes.....	20 00		
Black, W. D., Inspection E. ½ 17 in 7 Olden....	10 00		
Bilton, Geo., Caretaker of Islands in Mud and Loon Lakes.....	25 00		
Coyne, Phin., Inspection of lots in Townships Carr and Taylor.....	175 80		
Davis, Samuel, Caretaker Leonard Island.....	20 00		
Gartshore, Geo., Inspection Township of Wilson..	86 00		
Guthrie, William, Caretaker Devil's Island.....	31 00		
Hunt, John McKay, Inspection of lots in Town- ships Dorion, Oliver and Marks.....	11 61		
McCormack, John, Inspection of lots 3 and 4, N. side of Manchester Street, Village of War- wick	7 00		
McDonell, Angus, Inspection Township of Burns..	270 00		
Macinnes, W. J., Estimation of Lands.....	4 00		
Reckie, A. E., Inspection Township of Wilson....	110 58		
Smith, James, Inspection of lots in Townships of Southworth, Sanford, Dryden.....	127 90		
Tapping, Thomas, Inspection of lot 29, Con. 6, Barrie	5 00	903 89	40,475 76
OTTAWA.			
Darby, E. J., Agent.....		1,250 00	
Larose, S. C., Clerk.....		833 33	
Rent	375 00		
Disbursements	52 90	427 90	2,511 23
QUEBEC.			
Nicholson, Byron, Agent.....		875 00	
Rent	156 25		
Disbursements	410 30	566 55	1,441 55
WOOD RANGING.			
Allen, R. A.....		1,245 00	
Ansley, J. J.....		760 00	
Arnill, William.....		252 00	
Barrett, Thomas.....		1,125 00	
<i>Carried forward</i>		3,382 00	44,428 54

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		3,382 00	44,428 54
<i>WOOD RANGING.—Continued.</i>			
Bates, Robert.....		532 00	
Bliss, Lidden.....		235 00	
Bliss, L. E.....	850 00		
Disbursements	90 39		
		940 39	
Cameron, Alex.....		220 00	
Carter, George.....		1,225 00	
Carson, Samuel.....		190 00	
Castonguay, A. C.....		695 00	
Chenier, D.....		1,480 00	
Clarke, R. H.....		55 00	
Collector of Customs.....		17 50	
Coyne, Phin.....		490 00	
Corrigan, R. T.....		965 00	
Didier, Peter.....		640 00	
Dodds, William.....		155 00	
Dodds, Thomas.....		309 00	
Durrell, William.....		1,165 00	
Durl, William.....		115 00	
Ewan, John.....		288 00	
Fisher, George.....		710 00	
Fitzgerald, E. C.....	1,085 00		
Disbursements	121 28		
		1,206 28	
Foster, E. G.....		713 85	
Fraser, William.....		870 00	
Gorman, J. P.....		414 23	
Gordon, Joseph.....		175 00	
Hartley Charles.....		1,090 00	
Hatch, J. W.....		100 00	
Hawkesbury Lumber Co.....		10 81	
Henderson, Charles, Disbursements.....		76 19	
Herring, E. C.....		60 00	
Hickerson, M. T.....		165 00	
Hornick, George.....		175 00	
Huckson, A. H.....		830 00	
Hurdman, W. H.....		450 00	
Hutton, John.....	100 00		
Disbursements	35 25		
		135 25	
Irwin, C. W.		50	
Kerr, Charles D.		60 00	
Kelly, Joseph		152 00	
Lee, James B.		665 00	
Londry, W. E.		99 62	
McCaw, John G.	630 00		
Disbursements	14 70		
		644 70	
McCreight, John.....	1,300 00		
Disbursements	129 04		
		1,429 04	
McDonald, A. J.	1,255 00		
Disbursements	42 39		
		1,297 39	
McDonald, Thomas		216 00	
McDonell, J. A.		50 00	
<i>Carried forward</i>		24,894 75	44,428 54

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		24,894 75	44,428 54
<i>WOOD RANGING.—Continued.</i>			
McDougall, James T., disbursements		19 95	
McLeod, Charles		215 00	
McLean, John	230 00		
Disbursements	84 95		
McPherson, J. S.		314 95	
McNabb, A. D.		1,115 00	
Macdonell, R. D.		500 00	
Disbursements	1,125 00		
	39 50		
MacGillivray, Duncan D.		1,164 50	
Disbursements	114 00		
	4 20		
		118 20	
Mackey, L. R.		275 00	
Mackie, Nathan		514 00	
Manice, William		1,095 00	
Margach, William, disbursements		197 22	
Margach, J. A.	272 00		
Disbursements	4 75		
		276 75	
Matheson, William	1,125 00		
Disbursements	28 30		
		1,153 30	
Menzies, Alex.		1,015 00	
Milway, J. H.	1,310 00		
Disbursements	34 25		
		1,344 25	
Morley, J. R.		10 00	
Muir, Angus		85 00	
Murray, William		1,175 00	
Nash, John	401 00		
Disbursements	5 00		
		406 00	
Newburn, William		785 00	
Oliver, J. A., disbursements		40 59	
Porter, H. R.		100 00	
Ragon, Joseph	175 00		
Disbursements	9 35		
		184 35	
Ridley, Robert		720 00	
Rogers, F. W.		355 00	
Roos, George		35 00	
Shaw, George		570 00	
Shaw, Alfred		510 00	
Shields, Foster	120 00		
Disbursements	86 56		
		206 56	
Smith, J. D. C.	1,015 00		
Disbursements	56 00		
		1,071 00	
Smith, Dryden		50 00	
Thompson, George S.	780 00		
Disbursements	14 60		
		794 60	
Tappin, Thomas, disbursements		14 30	
Urquhart, A.		795 00	
<i>Carried forward</i>		42,120 27	44,428 54

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		42,120 27	44,428 54
WOOD RANGING.— <i>Concluded.</i>			
Vincent, H. T.		915 00	
Wagner, Fred	440 00		
Disbursements	70 75	510 75	
Wagner, F. W.	224 00		
Disbursements	6 00		
		230 00	
Watts, George		348 45	
Weston, Frank R., disbursements		20 30	
Whelan, P. J.		1,345 00	
Wood, W. D.		456 92	
Yuill, Thomas		710 00	
			46,656 69
EXPLORATION AND ESTIMATION OF TIMBER BERTHS.			
Burns, William	495 00		
Disbursements	265 60	760 60	
Cox, T.	115 00		
Disbursements	2 89	117 89	
Fraser, Duncan		390 00	
Kinney, W.	92 00		
Disbursements	7 80	99 80	
McCreight, John.....	378 00		
Disbursements	527 44		
		905 44	
Margach, William		208 00	
Milligan, Wallace.....		1,025 00	
Oliver, J. A.		701 95	
Taylor, John		100 00	
Watts, George		138 00	
			4,536 68
FIRE RANGING.			
Acheson, Lloyd		165 20	
Adams, A.	342 50		
Disbursements	3 90	346 40	
Adsett, F. V.....	322 50		
Disbursements	23 40		
		345 90	
Algoma Central and Hudson Bay Co.'y.....		698 53	
Algonquin Lumber Co.		14 50	
Allen, T. W. E.	297 50		
Disbursements	33 85	331 36	
Allin, G. C.....	342 50		
Disbursements	18 95	361 45	
Allison, M. B.....	357 50		
Disbursements	20 25	377 75	
<i>Carried forward</i>		2,641 08	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		2,641 08	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Anger, Leon	222 50		
Disbursements	3 70		
		226 20	
Armstrong, W. J.		75 00	
Armstrong, R.		115 00	
Armstrong, J. C.		131 00	
Arnott, William		131 00	
Arnell, R.		129 00	
Arnup, J.	332 50		
Disbursements	16 40		
		348 90	
Atkinson, T. A.		132 00	
Aylward, James		48 00	
Baird, J. McC.	257 50		
Disbursements	8 40		
		265 90	
Baker, B.		150 00	
Baldwin, J. P.	152 50		
Disbursements	26 90		
		179 40	
Baldwin, Roy	152 50		
Disbursements	29 40		
		181 90	
Bateman, W. R.	362 50		
Disbursements	62 15		
		424 65	
Barnhart, Ernest	307 50		
Disbursements	7 13		
		314 63	
Bayes, Roderick	285 00		
Disbursements	10 60		
		295 60	
Beaudry, John		131 00	
Beaudry, William	222 50		
Disbursements	3 70		
		226 20	
Beck, C. Mfg. Co.		103 35	
Belanger, John		80 50	
Belanger, E.	340 00		
Disbursements	42 35		
		382 35	
Belfry, R.	325 00		
Disbursements	22 85		
		347 85	
Bennett, G. A.		3 80	
Benson, J. B.		131 00	
Bell, John H.		125 00	
Berlet, O. R.	320 00		
Disbursements	27 65		
		347 65	
Birmingham, E. B.		225 00	
Bissaillon, John	825 00		
Disbursements	361 98		
		1,186 98	
Bissaillon, James	225 00		
Disbursements	10 75		
		235 75	
<i>Carried forward</i>		9,315 69	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		9,315 69	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Bliss, L. E.....	750 00		
Disbursements	1,440 30		
		2,190 30	
Booth, J. R.		435 33	
Bookhout, H.....	322 50		
Disbursements	6 20		
		328 70	
Boleau, J.		131 00	
Boldt, A.....	347 50		
Disbursements	19 55		
		367 05	
Bonnycastle, R. H.	330 00		
Disbursements	68 60		
		398 60	
Boucher, W.	347 50		
Disbursements	2 90		
		350 40	
Brasher, S. M.	312 50		
Disbursements	6 20		
		318 70	
Brazeau, X.	260 00		
Disbursements	5 00		
		265 00	
Breadon, L. H. M.	320 00		
Disbursements	16 40		
		336 40	
Brennan, M., & Sons.....		310 64	
Brennan, R. L.....		122 00	
Brennan, Dan		49 00	
Bridgman, P.....		128 00	
Brooks, M. C.		93 00	
Brooks, F. W.....		131 00	
Bromley, Ed. H.....		108 00	
Brown, Henry.....		67 00	
Brown, J.....		131 00	
Brownlee, Sam		43 00	
Brownlee, J. J.....		131 00	
Bruce, George	345 00		
Disbursements	18 65		
		363 65	
Bruley, Marcus		68 00	
Brunet, Alphonse	355 00		
Disbursements	17 70		
		372 70	
Buchanan, R. F.....		325 50	
Burger, William	315 00		
Disbursements	13 75		
		328 75	
Burns, W.....		275 00	
Burns, G.	250 00		
Disbursements	30 85		
		280 85	
Burns, William		131 00	
Burton, E. T.		101 00	
Campbell, J. L.....	500 00		
Disbursements	256 11		
		756 11	
<i>Carried forward</i>		18,753 37	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		18,753 37	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Campbell, Archie .....1908		91 00	
Campbell, A. J. ....1908		55 00	
Campbell, Duncan	342 50		
Disbursements	3 95		
		346 45	
Campbell, W.	340 00		
Disbursements	22 15		
		362 15	
Campbell, R.		122 00	
Campbell, Bruce		131 00	
Canadian Copper Co.		7 00	
Cantin, Xavier		23 00	
Card, W.	332 50		
Disbursements	45 50		
		378 00	
Carnochan, G.	332 50		
Disbursements	26 80		
		359 30	
Carney Lumber Co.		44 00	
Cartier, A.		292 50	
Carruthers, Robert	345 00		
Disbursements	132 60		
		377 60	
Cassidy, James	460 00		
Disbursements	14 40		
		474 40	
Charlton, W. R. ....1908		82 00	
Charlton, J & T. ....1908		115 00	
Charlton, J. & W. A.		3 00	
Chalne, Antoine		49 00	
Chaput, Isadore ....1908	131 00		
do .....1909	131 00		
		262 00	
Chambers, E. V.	337 50		
Disbursements	24 15		
		361 65	
Chambers, J. R.	275 00		
Disbursements	1 60		
		276 60	
Chamberlain, E. H.		64 00	
Chamberlain, B. E.		135 00	
Chevier, Charles	315 00		
Disbursements	48 65		
		363 65	
Christie, W. J.		95 00	
Christilaw, Henry		131 00	
Chittick, W. J.		250 00	
Clark, David		72 00	
Clarke, S. C.	352 50		
Disbursements	24 70		
		377 20	
Clarke, R. H.		155 00	
Clarkson, G. E.		131 00	
Clement, G. H.	252 50		
Disbursements	25 25		
		277 75	
<i>Carried forward</i>		25,017 62	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		25,017 62	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Cline, George	165 00		
Disbursements	28 20		
		193 20	
Clysdale, A.		131 00	
Coderre, A.		63 00	
Coghlan, Samuel J.		30 00	
Coghlan, John S.	295 00		
Disbursements	20 05		
		315 05	
Coghlan, Thomas		131 00	
Collins, James		110 00	
Colway, G. H.		59 00	
Connolly, John	1908	93 85	
Conlin, John		103 00	
Conger Lumber Co.		14 75	
Constantine, E.		131 00	
Conway, Richard		131 00	
Corrigan, M. B.		131 00	
Cooney, James C.		131 00	
Cottenham, William		131 00	
Coughlin, Herbert		51 00	
Coughlin, Ed.		131 00	
Coulter, Charles	345 00		
Disbursements	18 55		
		363 55	
Cousineau, A.	327 50		
Disbursements	8 90		
		336 40	
Cox, Joseph		128 00	
Coyne, Phin	594 42		
Disbursements	175 56		
		769 98	
Crawford, Ephraim	307 50		
Disbursements	2 20		
		309 70	
Crawford, C. M.	322 50		
Disbursements	65 85		
		388 35	
Cross, J.		282 50	
Croteau, Euzebe		131 00	
Cruise, W. W.	310 00		
Disbursements	21 35		
		331 35	
Cunningham, L. E.		50 00	
Cunningham, J.		131 00	
Currie, R.		131 00	
Curtin, David		131 00	
Curry, L.		131 00	
Cuthbertson, W.		131 00	
Dane, A.		131 00	
Daniels, R.	632 00		
Disbursements	42 75		
		674 75	
Darly, William	305 00		
Disbursements	2 20		
		307 20	
<i>Carried forward</i>		31,957 25	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		31,957 25	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Davie, W. H.	342 50		
Disbursements	5 85		
		348 35	
David, Antoine		103 00	
Davis, M. J.		146 00	
Davison, Ira	350 00		
Disbursements	22 00		
		372 00	
Decoteau, Alex.		131 00	
Dedagne, E. J.	302 50		
Disbursements	236 00		
		538 50	
Dedine, Joel	367 50		
Disbursements	1 15		
		368 65	
De Guerre, Claude	342 50		
Disbursements	27 70		
		370 20	
Delahaye, A. L.	210 00		
Disbursements	31 10		
		241 10	
Dempsey, J.		131 00	
Desantils, Noe		13 00	
Deschamps, F.	240 00		
Disbursements	12 00		
		252 00	
D'Eye, H. D.	265 00		
Disbursements	24 78		
		289 78	
Dewar, William	75 00		
Disbursements	5 00		
		80 00	
Dixon, L. A.	360 00		
Disbursements	50 05		
		410 05	
Dixon, J. H.	302 50		
Disbursements	21 65		
		324 15	
Dodds, James	130 00		
Disbursements	3 90		
		133 90	
Dolan, A.	305 00		
Disbursements	5 10		
		310 10	
Dolan, E.	305 00		
Disbursements	5 10		
		310 10	
Doherty, A.	265 00		
Disbursements	28 30		
		293 30	
Donald, Robert	355 00		
Disbursements	27 20		
		382 20	
Donahoe, L.	280 00		
Disbursements	6 30		
		286 30	
<i>Carried forward</i>		37,791 93	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		37,791 93	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Dow, W.		125 00	
Doxsee, J. E.	312 50		
Disbursements	18 55		
		331 05	
Dreany, Alex.	342 50		
Disbursements	2 80		
		345 30	
Drescoll, James		108 00	
Driver, Joseph		131 00	
Driver, J.		131 00	
Dufond, Ignace		90 00	
Dunbar, J.		80 00	
Duncan, Robert	307 50		
Disbursements	246 00		
		553 50	
Dunn, Frank	1908	27 00	
Dupuis, Joseph		38 00	
Duquette, H.		131 00	
Dwight, Theodore W.		135 00	
Edwards, E. D.		135 00	
Eddy Bros. & Co'y	1908	560 75	
Egan, D.		93 00	
Eilber, George	347 50		
Disbursements	25 15		
		372 65	
Elliott, J.	327 50		
Disbursements	31 60		
		359 10	
England, J.		111 00	
Eno, George		131 00	
Erickson, J.	305 00		
Disbursements	2 75		
		307 75	
Eveline, W.		108 00	
Fairbairn, N. H.		79 00	
Felskie, E.		111 00	
Ferguson, E. A.		125 00	
Ferguson, William	347 50		
Disbursements	2 90		
		350 40	
Ferris, R. H.	302 50		
Disbursements	58 30		
		360 80	
Fidler, S. J.		10 00	
Fisher, George		532 00	
Finlayson, J. H.		131 00	
Fitzpatrick, A.		131 00	
Fitzgerald, J.		131 00	
Flagherty, John		122 00	
Fortune, M.	305 00		
Disbursements	2 75		
		307 75	
Foster, John R.		131 00	
Fraser, W. A.	375 00		
Disbursements	8 05		
		383 05	
<i>Carried forward</i>		45,101 03	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		45,101 03	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Fraser, W. G.	207 50		
Disbursements	22 70	230 20	
Fraser, H.	335 00		
Disbursements	21 95	356 95	
Fraser, John		131 00	
Frechette, O.....1908		131 00	
Gale, W. J.	347 50		
Disbursements	14 45	361 95	
Gagne, F.	849 60		
Disbursements	247 55	1,097 15	
Gagnon, Achille		131 00	
Gagnon, Noel		134 00	
Ganly, R. J.	312 50		
Disbursements	25 75	338 25	
Gemmell, John		580 00	
German, J. P.		74 00	
Gibson, Thomas		62 00	
Gibson, J.		80 00	
Gibson, M.	322 50		
Disbursements	71 90	394 40	
Gillies Bros.		200 45	
Gilpin, William	325 00		
Disbursements	1 20	326 20	
Golden Lake Lumber Co.		17 00	
Gould, A.		46 00	
Grant, Allen		27 00	
Grant, Robert		118 00	
Graves, Bigwood & Co.....1908		619 90	
Gray, V. E.	357 50		
Disbursements	61 75	419 25	
Gray, A. H. G.....		131 00	
Griffin, James		117 00	
Grier, W. J.		131 00	
Groulx, E.	340 00		
Disbursements	46 85	386 85	
Groulx, A.		131 00	
Groulx, C.		131 00	
Grozelle, A. D.....1908	131 00		
do	131 00	262 00	
Gunter, P. M.....		131 00	
Guthrie, William	345 00		
Disbursements	5 80	350 80	
Hackett, William	335 00		
Disbursements	3 75	338 75	
<i>Carried forward</i>		53,087 13	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		53,087 13	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Haggerty, F.....		85 00	
Haley, Ed.		131 00	
Hambly, W. R.....	352 50		
Disbursements	20 00	372 50	
Hammond, W. H.....	355 00		
Disbursements	21 10	376 10	
Hamilton, G.	325 00		
Disbursements	23 70	348 70	
Hardy, F.	332 50		
Disbursements	13 50	346 00	
Hand, Thomas		544 00	
Harrison, John & Sons.....		131 00	
Harper, Thomas		131 00	
Harvey, F. R.....	345 00		
Disbursements	37 15	382 15	
Haskin, W.		129 00	
Hatch, James		79 00	
Hawley, James	1908	142 00	
Hawley, D. J.....	322 50		
Disbursements	54 25	376 75	
Hawkesbury Lumber Company.....		226 00	
Hayes, Joseph	315 00		
Disbursements	54 55	369 55	
Henderson, Charles		428 63	
Hennessy, B. E.....	1908	152 70	
Herringer, W. J.....	247 50		
Disbursements	63 05	310 55	
Hickey, W.		131 00	
Hilary, C. E.....		48 00	
Hillman, J. H.....		131 00	
Hillier, John		50 00	
Hipwell, Thomas	300 00		
Disbursements	7 30	307 30	
Hiscock, H. G.....	325 00		
Disbursements	14 60	339 60	
Hodge, W. R.....	285 00		
Disbursements	56 65	341 65	
Hodgson, John	265 00		
Disbursements	36 60	301 60	
Hoath, R.		130 00	
Hooey, George	342 50		
Disbursements	12 35	354 85	
<i>Carried forward</i>		60,283 76	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		60,283 76	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Holdsworth, J.		94 00	
Howlett, W. M.	317 50		
Disbursements	27 83		
		345 33	
Hughes, James		80 00	
Hudson Bay Company.....1908		31 75	
Hunt, J. W.		132 00	
Hunter, Lorne		131 00	
Huston, J.		99 00	
Hutton, R. B.		45 00	
Hurtubise, A.	225 00		
Disbursements	4 00		
		229 00	
Irwin, H. S.	360 00		
Disbursements	51 05		
		411 05	
Irwin, E.		133 00	
Irwin, T.		127 00	
Jacko, John	175 00		
Disbursements	5 80		
		180 80	
Jackson, George		24 00	
Jamieson, D. D.	357 50		
Disbursements	4 20		
		361 70	
Jardine, A. J.	300 00		
Disbursements	21 00		
		321 00	
Johnson, Thomas	235 00		
Disbursements	1 60		
		236 60	
Johnson, H. C.		127 00	
Johnston, Robert	305 00		
Disbursements	9 82		
		314 82	
Jordan, William	360 00		
Disbursements	3 45		
		363 45	
Judge, S.	330 00		
Disbursements	27 65		
		357 65	
Kelly, Ed.	220 00		
Disbursements	3 50		
		223 50	
Kelly, John		131 00	
Keily, M.	277 50		
Disbursements	24 00		
		301 50	
Keen, Walter		105 00	
Keenahan, Matt	362 50		
Disbursements	14 25		
		376 75	
Kennedy, Robert		84 00	
Kerby, John		103 00	
Kerr, A. W.		131 00	
King, F. J.		275 00	
<i>Carried forward</i>		66,159 66	95,621 91

Appendix No. 6.—Continued.

Service.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i>			66,159	66	95,621	91
<i>FIRE RANGING.—Continued.</i>						
King, James .....1908	92	00				
“ “1909	131	00				
			223	00		
Kring, W. A.			113	00		
Kruger, A. P.	270	00				
Disbursements	4	25				
			274	25		
Labelle A.	360	00				
Disbursements	21	20				
			381	20		
Lafleur Thomas			100	00		
Lafrance, Thomas .....1908			131	00		
Lang, James			52	00		
Langevin, Joseph			143	00		
Lapine, A.			80	00		
Laurin, Joseph	320	00				
Disbursements	2	70				
			322	70		
Lavoie, X.			131	00		
Law, W. J.			131	00		
Lawson, E.	347	50				
Disbursements	25	15				
			372	65		
Legary, Frank .....1908			154	25		
Lee, James B.	846	40				
Disbursements	189	21				
			1,035	61		
Leach, W. J.	277	50				
Disbursements	13	65				
			291	15		
Leblanc, Fred			222	50		
Leblanc, Mathias			131	00		
Lennox, T. C.	337	50				
Disbursements	24	70				
			362	20		
Ledward, T. H.			90	00		
Lindop, H.			1	13		
Livingston, A.			84	00		
Long, H. E.	640	00				
Disbursements	11	10				
			651	10		
Lorenz, Fred			131	00		
Lorenz, Charles			136	00		
Lorenz, William			80	00		
Lougheed, R. J.	330	00				
Disbursements	26	65				
			356	65		
Loveland & Stone			32	50		
Loving Lumber Co.			43	50		
Lunan, W. A.			235	00		
Lusk, William	305	00				
Disbursements	1	30				
			306	30		
Lynn, W.	220	00				
Disbursements	3	50				
			223	50		
<i>Carried forward</i>			73,181	85	95,621	91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		73,181 85	95,621 91
<i>FIRE RANGING.—Continued.</i>			
McArthur, E. C.	332 50		
Disbursements	17 00		
		349 50	
McArthur, G. J.		9 53	
McBain, Roderick		132 00	
McCaw, James		131 00	
McCaw, Wesley		111 00	
McCaw, J. G.	380 00		
Disbursements	76 70		
		456 70	
McCagherty, P.		115 00	
McCauley, Jerry		123 00	
McClelland Robert		80 00	
McClure, A.	235 00		
Disbursements	16 00		
		251 00	
McColl, Archibald		131 00	
McCombe, Alex.		131 00	
McCormack, Walter		94 00	
McCrimmon, N. K.		131 00	
McCulloch, Chris	555 00		
Disbursements	33 85		
		388 85	
McCulloch, David	402 50		
Disbursements	21 90		
		424 40	
McDermott, Alex.		106 00	
McDermott, W. B.	315 00		
Disbursements	22 40		
		337 40	
McDonald, Dan	300 00		
Disbursements	10 80		
		310 80	
McDonald, James	362 50		
Disbursements	13 50		
		376 00	
McDonald, Alex		66 00	
McDonald, A. J.		132 00	
McDonell, G. D.		131 00	
McDougall, J. T.		522 39	
McFadden & Malloy		121 00	
McGuay, Dennis		131 00	
McIver, H.	345 00		
Disbursements	35 70		
		380 70	
McInnis, D. C.		95 00	
McKay, Angus		146 00	
McKenzie, Robert		250 00	
McKinnon, H.	330 00		
Disbursements	35 35		
		365 35	
McKinnon, A.		64 00	
McKinsey, Joseph		26 00	
McLachlin Bros.		2 00	
McLaughlin, J. S.		250 00	
McLaughlin, John		131 00	
<i>Carried forward</i>		80,184 47	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		80,184 47	95,621 91
<i>FIRE RANGING.—Continued.</i>			
McLeish, W. J.		140 00	
McLeod, William	287 50		
Disbursements	8 40		
		295 90	
McLeod, Dougald		65 00	
McLelland, James	312 50		
Disbursements	31 75		
		344 25	
McMahon, M.		122 00	
McMillan, D. H.	295 00		
Disbursements	11 70		
		306 70	
McMillan, V.	340 00		
Disbursements	28 05		
		368 05	
McMullen, Alex.		118 00	
McNeil, E. H.	300 00		
Disbursements	52 90		
		352 90	
McNichol, William J.		89 00	
McPhee, D. J.	282 50		
Disbursements	21 30		
		303 80	
McPherson, W. C.	345 00		
Disbursements	22 55		
		367 55	
McQuabie, Henry		82 00	
McQuay, B.		105 00	
McQuay, J.		104 00	
McRae, J. D. 1908		460 50	
McRae, D.	332 50		
Disbursements	23 35		
		355 85	
MacBeth, R. E.		82 00	
Macdonald, J. D.		133 00	
Macfarlane, R. L.		112 00	
MacGillivray, E. F.	135 00		
Disbursements	108 00		
		243 00	
Mackie, Thomas	317 50		
Disbursements	3 00		
		320 50	
Madigan, W. J. 1908		12 00	
Madigan, W.		131 00	
Magner, Thomas		73 00	
Maguire, T. C.	255 00		
Disbursements	28 10		
		283 10	
Maher, Thomas		93 00	
Mairs, Eli		50 00	
Malloy, Mark 1908		17 00	
Manning, William	345 00		
Disbursements	28 00		
		373 00	
Margach, William, disbursements 1908	43 97		
Margach, William, disbursements 1909	467 15		
		511 12	
<i>Carried forward</i>		86,598 69	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		86,598 69	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Martin, A. J.	327 50		
Disbursements	22 55	350 05	
Martin, Thomas		131 00	
Martin, J. C.	305 00		
Disbursements	6 00		
Martin, G.		311 00	
Marshall, William .....1908		131 00	
Matt, Joseph		27 00	
May, A.		252 50	
Menard, E.	320 00	131 00	
Disbursements	2 70		
Merchant, John, disbursements		322 70	
Merchant, Herbert		24 50	
Mercier, W.		290 00	
Mickle, Dymont & Son .....1908		130 00	
Middleton, John .....1908	131 00	113 75	
Middleton, John .....1909	131 00		
Midland Lumber Co.		262 00	
Miller, A. M.	322 50	13 00	
Disbursements	25 95		
Miller, R. R.	352 50		
Disbursements	6 80	348 45	
Miller, J.		359 30	
Milne, S.		105 00	
Millichamp, F. A.	297 50	79 00	
Disbursements	22 00		
Mitchell, James	345 00	319 50	
Disbursements	15 90		
Mitchell, J.		360 90	
Mole, W. H.	337 50	110 00	
Disbursements	15 65		
Montgomery, W.	310 00	353 15	
Disbursements	40 80		
Montroy, J. J.		350 80	
Montreuil, L. ....1908		131 00	
Monro, Robert		132 00	
Morton, R. R.		131 00	
Morand, L.	335 00	23 00	
Disbursements	8 80		
Moore and Moulthrop .....1908	810 00	343 80	
Moore and Moulthrop .....1909	452 00		
Moore and Macdonald		1,262 00	
Morris, D.		53 00	
Morris, J.		78 00	
		36 00	
<i>Carried forward</i>		93,664 09	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		93,664 09	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Morrison, W. F. ....1908		80 00	
Morrison, H. L.	327 50		
Disbursements	18 90		
		346 40	
Morrison, John		131 00	
Morrin, Paul		64 00	
Moulthrop, G. H.		10 00	
Mounsteven, J.		101 00	
Mulvahill, Thomas		175 00	
Murray, Thomas ....1908		141 00	
Murray, Z.	307 50		
Disbursements	4 30		
		311 80	
Murphy, J.		131 00	
Nancekiville, Thomas	332 50		
Disbursements	26 65		
		359 15	
Neely, A. H.	345 00		
Disbursements	22 65		
		367 65	
Netterville, William		63 00	
Newburn, William		560 00	
Newman, R. J. ....1908		95 00	
Newell, John	342 50		
Disbursements	22 25		
		364 75	
Nichol, Dan		131 00	
Nicholson, A.		129 00	
Nixon, William		13 00	
Nipissing Lumber Co.		4 69	
Nolan, C.		131 00	
Northern Timber Co.		1 00	
Norton, R. D.		131 00	
Nundy, George	337 50		
Disbursements	3 40		
		340 90	
O'Brien, Phil		102 00	
O'Connor, L.		175 00	
O'Grady, M.		79 00	
Oliver, J. A.		535 44	
O'Neil, P. F.		57 00	
O'Neil, W. S.	335 00		
Disbursements	27 80		
		362 80	
Ontario Lumber Co. ....1908		44 50	
O'Keefe, Thomas		105 00	
Quinque, J.		320 00	
Owens, R.		131 00	
Pappin, Joseph		131 00	
Parlow, A.	330 00		
Disbursements	36 50		
		366 50	
Pateman, E.	302 50		
Disbursements	3 30		
		305 80	
<i>Carried forward</i>		100,561 47	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		100,561 47	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Patterson, B. C.	292 50		
Disbursements	19 40		
		311 90	
Patterson, William		97 00	
Paul, H. S., disbursements1908		12 00	
Paquette, O.1908		123 00	
Pearce Lumber Co.1908		41 84	
Pelow, Robert		15 00	
Pelot, John1908		131 00	
Pembroke Lumber Co.1908		935 00	
Pepeguis, Angus		79 00	
Perrault, A.		131 00	
Perrault, W. N.1908		136 00	
Perrigo, A.		131 00	
Phillion, A. W.1908		154 25	
Philbin, T. H.		88 00	
Platt, S.	322 50		
Disbursements	55 15		
		377 65	
Playfair and White1908		49 25	
Pigeon, C.	347 50		
Disbursements	10 00		
		357 50	
Poulin, D.	357 50		
Disbursements	46 85		
		404 35	
Poulin, William	335 00		
Disbursements	46 85		
		381 85	
Ponninville, Joseph		131 00	
Powell, John	337 50		
Disbursements	25 65		
		363 15	
Powell, Abner		132 00	
Power, J. P.	337 50		
Disbursements	5 40		
		342 90	
Price, R.	332 50		
Disbursements	26 80		
		359 30	
Pringle, A.	345 00		
Disbursements	26 50		
		371 50	
Proulx, A.		192 75	
Quesnell, Fred	342 50		
Disbursements	5 20		
		347 70	
Quilty, John	337 50		
Disbursements	39 15		
		376 65	
Ranger, P.	257 50		
Disbursements	11 25		
		268 75	
Rathbun Co.1908	30 08		
Rathbun Co.1909	1 50		
		31 58	
<i>Carried forward</i>		107,435 34	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		107,435 34	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Regan, J.		118 00	
Reid, Adam .....1908		105 00	
Renand, Cypien .....1908		131 00	
Renand, Nels	245 00		
Disbursements	1 40		
		246 40	
Reynolds, N.	272 50		
Disbursements	12 98		
		285 48	
Rhoades, F. M.	302 50		
Disbursements	2 15		
		304 65	
Richardson, Sam	292 50		
Disbursements	15 10		
		307 60	
Richardson, Stanley	267 50		
Disbursements	14 63		
		282 13	
Rickson, Ainslie Stoddart		8 00	
Riddell, Drew	322 50		
Disbursements	60 90		
		383 40	
Ritchie, R. and T. ....1908		79 00	
Robinson, Bert	325 00		
Disbursements	57 90		
		382 90	
Roche, H.	337 50		
Disbursements	31 00		
		368 50	
Rogers, D. ....1908	75 00		
Disbursements	5 00		
		80 00	
Rogers, Fred .....1908		14 00	
Ross, A. C.		131 00	
Ross, H. E.	332 50		
Disbursements	26 45		
		358 95	
Rozell, P.	340 00		
Disbursements	42 70		
		382 70	
Ryan, J.		131 00	
Scantlin, James		105 00	
Scheich, J.		81 00	
Scott, Robert		548 00	
Scott, Howard	342 50		
Disbursements	26 45		
		368 95	
Sheppard-Morse Lumber Co. ....1908		293 00	
Sheppard and Wallace .....1908		95 00	
Sherlock, S.	277 50		
Disbursements	20 00		
		297 50	
Sheridan, William		85 00	
Shields, G.		61 00	
Shields, T.		118 00	
Shores, D.		102 00	
<i>Carried forward</i>		113,689 50	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		113,689 50	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Sicard, Frank		119 00	
Sills, Charles	280 00		
Disbursements	50 95	330 95	
Simpson, Alex.		77 00	
Smeltzer, J. H.	187 50		
Disbursements	7 50	195 00	
Smith, J. B., and Son		41 00	
Smith, A. L.	347 50		
Disbursements	22 55	370 05	
Smith, W. I.		130 00	
Smith, B.		119 00	
Smith, Charles		131 00	
Smith, William		131 00	
Smith, John		131 00	
Spanish River Pulp & Paper Co.		342 52	
Spohn, P. D.		101 00	
St. Anthony Lumber Co.		13 50	
St. Dennis, Charles		163 95	
St. Pierre, Fred		43 00	
Stevenson, W. O.	320 00		
Disbursements	50 00	370 00	
Stevenson, William		29 00	
Stewart, J. A.		159 25	
Stewart, Charles	305 00		
Disbursements	34 35	339 35	
Stewart, D. R.		66 00	
Stewart, R. M.		131 00	
Stillar, F.		72 00	
Straus Philip		131 00	
Strong Lumber Co.		234 00	
Stroud, A. M.	320 00		
Disbursements	60 60	380 60	
Sullivan, John		292 50	
Sullivan, Pat		127 00	
Sutter, F. J.	322 50		
Disbursements	60 15	382 65	
Swale, William		119 00	
Tanton, T. L.	345 00		
Disbursements	25 55	370 55	
Taylor, G. S.	327 50		
Disbursements	19 75	347 25	
Taylor, Dean	337 50		
Disbursements	34 40	371 90	
Teeter, J.		105 00	
Thibert, P.	260 00		
Disbursements	9 00	269 00	
<i>Carried forward</i>		120,425 52	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward.....</i>		120,425 52	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Thomas, James .....1908		133 00	
Thomson, W.	257 50		
Disbursements	27 05	284 55	
Todd, C. C.	307 50		
Disbursements	2 20	309 70	
Towers, Oratus		92 00	
Turrell, V. L.	342 50		
Disbursements	16 35	358 85	
Turner Lumber Co. ....1908	5 00		
Turner Lumber Co. ....1909	411 97		
Townsend, Ernest		416 97	
Urquhart, A.		131 00	
Vaillant, G.		536 00	
Vallincourt, D.		131 00	
Disbursements	325 00		
	14 95		
Valentine, David		339 95	
Vankoughnet, R.		122 00	
Varcoe, Fred		68 00	
Disbursements	335 00		
	56 10	391 10	
Vaughan, C.	285 00		
Disbursements	62 40	347 40	
Vennette, John .....1908		131 00	
Victoria Harbor Lumber Co.		20 50	
Viverais, M.	342 50		
Disbursements	4 50		
		347 00	
Wagner, H. W.		160 00	
Wallace, S. A. ....1908		139 00	
Wallace, A. J.	335 00		
Disbursements	4 50		
		339 50	
Wallace, S.		131 00	
Wallace, Sam		131 00	
Wallace, E.		131 00	
Wallace, George		131 00	
Walker, Robert .....1908		85 00	
Walker, G.	282 50		
Disbursements	17 50	300 00	
Walsh, James		131 00	
Ward, James	360 00		
Disbursements	7 50		
		367 50	
Ward, W. C.		150 00	
Warren, Fletcher .....1908		159 25	
Washburn, B.	337 50		
Disbursements	2 40		
		339 90	
<i>Carried forward.....</i>		127,280 69	95,621 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		127,280 69	95,621 91
<i>FIRE RANGING.—Continued.</i>			
Watts, George		653 07	
Watson, William	307 50		
Disbursements	7 30		
		314 80	
Wattie, T. D.		97 00	
Weir, G. A.		330 00	
Wendt-Wreidt, A. J. P.	315 00		
Disbursements	1 45		
		316 45	
Webster, H.		131 00	
Wilder, H. J. ....1894		264 00	
Wilkins, George		536 00	
Williamson, H.	347 50		
Disbursements	41 80		
		389 30	
Wilson, G. A. ....1908		82 00	
Wilson, Edward		58 00	
Wilson, John ....1908		58 00	
Wilson, R.	285 00		
Disbursements	3 25		
		288 25	
Wilson, I. W.		80 00	
Winters, John W.		157 00	
White, Harry		66 00	
Whyte, J. T. G.		125 00	
Woodcock, George		225 00	
Woollings, James	337 50		
Disbursements	3 35		
		340 85	
Wolverine Cedar & Lumber Co. ....1908	19 50		
Wolverine Cedar & Lumber Co. ....1909	78 50		
		98 00	
Wright, Colin	200 00		
Disbursements	13 60		
		213 60	
Young, R. J.		131 00	
Young, D.	280 00		
Disbursements	8 45		
		288 45	
Zumstein, E. W.	267 50		
Disbursements	36 30		
		303 80	
			132,827 26
FOREST RESERVE.			
<i>Temagami Reserve.</i>			
\$38,927.62			
Allan, David	367 50		
Disbursements	14 55		
		382 05	
Baker, C. R.	332 50		
Disbursements	16 05		
		348 55	
Barrett, Thomas		100 00	
Berkley, G. L.	265 00		
Disbursements	10 88		
		275 88	
<i>Carried forward</i>		1,106 48	228,449 17

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		1,106 48	228,449 17
<i>FOREST RESERVE.—Continued.</i>			
<i>Temagami Reserve.—Continued.</i>			
Bond, St. George		125 00	
Brock, G. M.	325 00		
Disbursements	19 45	344 45	
Brown, E. W.	325 00		
Disbursements	19 50	344 50	
Burroughs, C. M.	332 50		
Disbursements	12 05	344 55	
Buisson, William		300 00	
Butler, A. J.	262 50		
Disbursements	6 03	268 53	
Cameron, William	252 50		
Disbursements	6 65	259 15	
Clarke, W. K.	327 50		
Disbursements	14 05	341 55	
Copping, R. V.	325 00		
Disbursements	16 05	341 05	
Davidson, E. I.	295 00		
Disbursements	16 05	311 05	
Deacon, W. A.	315 00		
Disbursements	16 05	331 05	
Dobson, Harold	312 50		
Disbursements	20 30	332 80	
Donovan, J. A.		160 00	
Duncan, J. M.	330 00		
Disbursements	16 05	346 05	
Evans, Edward	332 50		
Disbursements	16 05	348 55	
Evans, R.	202 50		
Disbursements	16 05	218 55	
Faries, R.		1,115 00	
Fawcett, W. J.	327 50		
Disbursements	16 05	343 55	
Fennell, T. H.		205 00	
Findlay, H.	325 00		
Disbursements	5 70	330 70	
George, Ruggles	315 00		
Disbursements	16 05	331 05	
<i>Carried forward</i>		8,148 61	228,449 17

Appendix No. 6.—Continued.

Service.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i>			8,148	61	228,449	17
<i>FOREST RESERVE.—Continued.</i>						
<i>Temagami Reserve.—Continued.</i>						
Gordon, Thomas	312	50				
Disbursements	24	05				
			336	55		
Greenwood, J. Y.	312	50				
Disbursements	12	05				
			324	55		
Hagerman, G.	280	00				
Disbursements	14	60				
			294	60		
Hall, Morton	312	50				
Disbursements	16	05				
			328	55		
Haywood, James	315	00				
Disbursements	14	05				
			329	05		
Herliky, Dan	335	00				
Disbursements	16	65				
			351	65		
Hill, M.	362	50				
Disbursements	6	65				
			369	15		
Hodgins, E. P.	367	50				
Disbursements	20	55				
			388	05		
Hodgins, Lyall	342	50				
Disbursements	18	85				
			361	35		
Huggard, A. E.	330	00				
Disbursements	20	05				
			350	05		
Hutchison, J.			125	60		
Jackson, W.	335	00				
Disbursements	18	90				
			353	90		
James, C.	362	50				
Disbursements	6	00				
			368	50		
Jamieson, R. A.	247	50				
Disbursements	18	20				
			265	70		
Jardine, A. J.			20	00		
Johnston, W.	330	00				
Disbursements	19	55				
			349	55		
Keeley, A. J.	325	00				
Disbursements	25	75				
			350	75		
Keys, A. B.	182	50				
Disbursements	3	65				
			186	15		
King, Charles L.	300	00				
Disbursements	20	00				
			320	00		
<i>Carried forward</i>			13,921	71	228,449	17

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		13,921 71	228,449 17
<i>FOREST RESERVE.—Continued.</i>			
<i>Temagami Reserve.—Continued.</i>			
Knox, J. E.	312 50		
Disbursements	16 05		
		328 55	
Lamarche, A.		675 00	
Lamarche, Charles		222 50	
Ladouceur, David	47 50		
Disbursements	7 70		
		55 20	
Lampson, L.	335 00		
Disbursements	18 85		
		353 85	
Lavigne, Louis	852 50		
Disbursements	65		
		853 15	
Lawson, G. W.	305 00		
Disbursements	17 20		
		322 20	
Leach, F.	327 50		
Disbursements	23 75		
		351 25	
Leach, W. J.		27 50	
Leggett, R. Preston	245 00		
Disbursements	22 50		
		267 50	
Leitch, J. M.	295 00		
Disbursements	14 05		
		309 05	
Le Seuer, N. L.	325 00		
Disbursements	22 95		
		347 95	
Lloyd, Hoyles	340 00		
Disbursements	14 55		
		354 55	
Lougheed, R. J.		20 00	
Lunny, J. W.	285 00		
Disbursements	14 15		
		299 15	
MacDonald, S. C.	1,083 33		
Disbursements	1,720 85		
		2,804 18	
Milligan, G.	367 50		
Disbursements	16 05		
		383 55	
Montgomery, A.		250 00	
McCallum, P.		140 00	
McCammon, J. G.		250 00	
McCart, E.	320 00		
Disbursements	28 10		
		348 10	
McCormack, C.	260 00		
Disbursements	8 03		
		268 03	
<i>Carried forward</i>		23,152 97	228,449 17

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		23,152 97	228,449 17
<i>FOREST RESERVE.—Continued.</i>			
<i>Temagami Reserve.—Continued.</i>			
McDonald, Charles		100 00	
McDougall, Eric	307 50		
Disbursements	12 05	319 55	
McKenzie, C. H.	325 00		
Disbursements	11 60	336 60	
McNaughton, F.	550 00		
Disbursements	56 40	606 40	
McNulty, E.	337 50		
Disbursements	13 55	351 05	
McPhee, D. J.		20 00	
Nelson, George	310 00		
Disbursements	10 80	320 80	
Nesbitt, B.	332 50		
Disbursements	14 85	347 35	
O'Connor, J.	237 50		
Disbursements	5 80	243 30	
Paloquin, N.	312 50		
Disbursements	7 90	320 40	
Petrant, William		362 50	
Phelps, R. C.	335 00		
Disbursements	18 40	353 40	
Platt, S.	227 50		
Disbursements	9 55	237 05	
Prudhomme, Ad.	400 00		
Disbursements	22 95	422 95	
Raney, Fraser	332 50		
Disbursements	16 05	348 55	
Reed, W. J.	325 00		
Disbursements	16 05	341 05	
Reid, John A.	337 50		
Disbursements	26 30	363 80	
Rhodes, Harold	325 00		
Disbursements	16 05	341 05	
Richards, K.	335 00		
Disbursements	16 05	351 05	
Rochon, Joseph		790 00	
Ross, O.	340 00		
Disbursements	17 90	357 90	
<i>Carried forward</i>		30,387 72	228,449 17

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		30,387 72	228,449 17
<i>FOREST RESERVE.—Continued.</i>			
<i>Temagami Reserve.—Continued.</i>			
Savage, D. H.	327 50		
Disbursements	16 05	343 55	
Scandrett, W. L.	322 50		
Disbursements	16 05	338 55	
Scott, W. R.	337 50		
Disbursements	19 45	356 95	
Sharp, A. H.	335 00		
Disbursements	7 70	342 70	
Shelson, H.	332 50		
Disbursements	17 80	350 30	
Simpson, W. C.	340 00		
Disbursements	7 30	347 30	
Skinner, P.	335 00		
Disbursements	16 05	351 05	
Spereman, James	320 00		
Disbursements	19 45	339 45	
Spence, William, Jr.	317 50		
Disbursements	14 70	332 20	
Stark, W. B.	330 00		
Disbursements	17 05	347 05	
Stewart, Charles		30 00	
Stewart, J. A.	315 00		
Disbursements	18 75	333 75	
Stuart, Cecil	310 00		
Disbursements	16 05	326 05	
Sweeney, D.	310 00		
Disbursements	21 75	331 75	
Tait, Joseph	325 00		
Disbursements	11 25	336 25	
Thompson, F.	320 00		
Disbursements	18 45	338 45	
Thompson, G. S.	315 00		
Disbursements	12 10	327 10	
Thompson, J. C.	347 50		
Disbursements	11 40	358 90	
<i>Carried forward</i>		36,219 07	228,449 17

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		36,219 07	228,449 17
FOREST RESERVE.—Continued.			
Temagami Reserve.—Concluded.			
Turner, John		372 50	
Turner, Joseph		340 00	
Tutt, W. R.	310 00		
Disbursements	14 05		
		324 05	
Tytler, Norman B.	332 50		
Disbursements	16 05		
		348 55	
Vivaris, D.	720 00		
Disbursements	3 60		
		723 60	
Whitesides, J. R.	325 00		
Disbursements	17 80		
		342 80	
Willis, G. C.	245 00		
Disbursements	12 05		
		257 05	
Metagami Reserve.			
\$95,816.77			
Adams, G. W.	325 00		
Disbursements	14 70		
		339 70	
Beauchamp, A.		357 50	
Black, Davidson		170 00	
Bruce, T. L.	335 00		
Disbursements	16 70		
		351 70	
Burden, John	620 00		
Disbursements	439 37		
		1,059 37	
Clark, Frank	315 00		
Disbursements	22 50		
		337 50	
Dowling, Charles	342 50		
Disbursements	21 65		
		364 15	
Eveline, Andrew		360 00	
Fuller, Carlos	297 50		
Disbursements	23 15		
		320 65	
Howard, R. N.		175 00	
Kitt, A. N.	295 00		
Disbursements	18 20		
		313 20	
Laurence, Robert		295 00	
Lewis, R. G.	187 50		
Disbursements	9 35		
		196 85	
Lyons, Harold	320 00		
Disbursements	20 55		
		340 55	
Shearme, William	332 50		
Disbursements	13 40		
		345 90	
Steape, E. D.		150 00	
Wodehouse, R. P.	322 50		
Disbursements	17 20		
		339 70	
<i>Carried forward</i>		44,744 39	228,449 17

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		44,744 39	228 449 17
<i>FOREST RESERVE.—Continued.</i>			
<i>Mississaga Reserve.—Continued.</i>			
\$8,653.04			
Arnill, Lorne	322 50		
Disbursements	19 60	342 10	
Albright, L.	402 50		
Disbursements	21 00	423 50	
Bothwell, George.....	330 00		
Disbursements	23 45	353 45	
Boyd, W. J.....	322 50		
Disbursements	24 10	346 60	
Clark, Alfred.....	312 50		
Disbursements	19 00	331 50	
Clark, Karl A.....	342 50		
Disbursements	16 70	359 20	
Dean, Thomas.....	320 00		
Disbursements	16 20	336 20	
Emery, E. V.....	310 00		
Disbursements	18 70	328 70	
Foote, Walter S.....	237 50		
Disbursements	15 85	253 35	
Graham, Summer W.....	335 00		
Disbursements	18 70	353 70	
Graham, J. H.....	310 00		
Disbursements	13 50	323 50	
Harper, C. J.....	390 00		
Disbursements	20 70	410 70	
Kelitch, N. M.....	287 50		
Disbursements	17 70	305 20	
Kingston, Paul S.....	325 00		
Disbursements	27 80	352 80	
Kinney, William.....	525 00		
Disbursements	347 74	872 74	
Long, A.....	327 50		
Disbursements	21 45	348 95	
Porte, Alex. H.....	320 00		
Disbursements	16 75	336 75	
Price, G. C.....	307 50		
Disbursements	16 70	324 20	
<i>Carried forward</i>		51,447 53	228,449 17

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		51,447 53	228,449 17
<i>FOREST RESERVE.—Continued.</i>			
<i>Mississaga Reserve.—Concluded.</i>			
Reilly, W. J.	310 00		
Disbursements	31 30	341 30	
Scott, R. R.	330 00		
Disbursements	23 45	353 45	
Thomas, E. G.	332 50		
Disbursements	14 70	347 20	
Thompson, Harry.	200 00		
Disbursements	12 40	212 40	
Warwick, Robert W.	322 50		
Disbursements	24 10	346 60	
Wilkins, Bert.	330 00		
Disbursements	18 95	348 95	
<i>Nepigon Reserve.</i>			
\$7,919.71.			
Day, Oswald.	327 50		
Disbursements	36 05	363 55	
Deschamps, D.		227 50	
De Laronde, Charles.	292 50		
Disbursements	2 00	294 50	
Duff, Joseph.	325 00		
Disbursements	35 70	360 70	
Harvey, Alfred P.	317 50		
Disbursements	52 90	370 40	
Halliday, W.	250 00		
Disbursements	2 00	252 00	
James, C. H. J.	325 00		
Disbursements	54 30	379 30	
Leitch, P. A.	825 00		
Disbursements	1,248 76	2,073 76	
McGillivray, Roy.	287 50		
Disbursements	6 60	294 10	
McKechnie, W. A.	150 00		
Disbursements	1 50	151 50	
Mutch, D. A.	325 00		
Disbursements	85 30	410 30	
Orr, W. A.	325 00		
Disbursements	45 45	370 45	
<i>Carried forward</i>		58,945 49	228,449 17

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		58,945 49	228,449 17
<i>FOREST RESERVE.—Continued.</i>			
<i>Nepigon Reserve.—Concluded.</i>			
Ritchie, Walter.....	317 50		
Disbursements	62 50		
		380 00	
Rolph, Michael.....	300 00		
Disbursements	16 50		
		316 50	
Scott, Harry.....	315 00		
Disbursements	16 50		
		331 50	
Servais, Albert.....		225 00	
Simmons, Roy.....		225 00	
Skead, Eric.....	147 50		
Disbursements	53 75		
		201 25	
Smith, Rex.....	325 00		
Disbursements	54 30		
		379 30	
Widdifield, Russell	277 50		
Disbursements	35 60		
		313 10	
<i>Eastern Reserve.</i>			
\$1,319.34.			
Gilmour, John.....		305 00	
Godkin, Jacob.....		332 50	
McGregor, Charles.....		332 50	
Tapping, Thomas.....	333 34		
Disbursements	16 00		
		349 34	
<i>Sibley Reserve.</i>			
Oliver, J. A.....		83 34	
<i>Quetico Reserve.</i>			
\$3,272.40.			
Adams, J. M.....	307 50		
Disbursements	2 50		
		310 00	
Armstrong, John.....	307 50		
Disbursements	1 30		
		308 80	
Bury, H. J.....	307 50		
Disbursements	2 20		
		309 70	
Campbell, J. Stuart.....		312 50	
McDonald, John.....	307 50		
Disbursements	2 50		
		310 00	
Martin, W. A.....	496 00		
Disbursements	70		
		496 70	
<i>Carried forward</i>		64,767 52	228,449 17

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		64,767 52	228,449 17
FOREST RESERVE.— <i>Concluded.</i>			
Quetico Reserve.— <i>Concluded.</i>			
Preston, H. F.	307 50		
Disbursements	1 50	309 00	
Readman, R.		312 50	
Sutton, George.		67 50	
Tichborne, Arthur.		227 50	
Wall, George.	307 50		
Disbursements	70	308 20	
			65,952 22
MINES AND MINING.			
Miller, G. W., Provincial Geologist, services.	3,541 67		
Disbursements	460 91	4,002 58	
Mickle, G. R., Mine Assessor, services.	3,333 34		
Disbursements	844 70	4,178 04	
Price S., Mining Commissioner, services.	2,666 67		
Dance, R. W., services.	592 50		
Disbursements	915 82	4,174 99	
Corkill, E. T., Inspector of Mines, services.	1,666 67		
Disbursements	1,116 60	2,783 27	
Knight, C. W., Assistant Geologist, services.	1,500 00		
Disbursements	392 91	1,892 91	
Coleman, A. P., Geologist & Mineralogist, services.		166 00	
			17,197 79
EXPLORATION AND INVESTIGATION.			
Bartlett, James.	1,250 00		
Disbursements	558 98	1,808 98	
Bowen, N. L.		367 52	
Bruce, E. L.		329 22	
Burrows, A. G.	1,333 33		
Disbursements	421 56	1,754 89	
Farrell, Samuel.		161 92	
Gray, W. B.		60 00	
Lowry, G. H.		217 50	
MacKenzie, G. C.	745 18		
Disbursements	99 78	844 96	
Moore, E. S.	380 77		
Disbursements	928 81	1,309 58	
Rogers, W. R.	692 30		
Disbursements	676 60	1,368 90	
<i>Carried forward</i>		8,223 47	311,639 18

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		8,223 47	311,639 18
EXPLORATIONS AND INVESTIGATIONS.—<i>Concluded</i>			
Robinson, A. H. A.	1,666 66		
Disbursements	601 85	2,268 51	
Scott, John.	500 00		
Disbursements	289 35	789 35	
Toyn, John.	500 00		
Disbursements	250 95	750 95	
William, English Canoe Co.	74 25		
Gill, Lester W.	500 00		
Micklethwaite, F. W.	1 40		
Stewart, W.	2 00		
Express	29 07	606 72	
			12,639 00
SPECIAL SERVICES AND UNFORESEEN EXPENSES.			
MacKenzie, G. C.		331 72	
Disbursements re Toronto Exhibition.		1,061 81	
			1,393 53
SPECIAL SURVEYS IN MINING DISTRICTS.			
			1,758 32
MINING RECORDERS.			
Belyea, C. W., Recorder.	312 33		
Disbursements	143 19	455 52	
Bowker, S. T., Recorder.	708 34		
Disbursements	286 32	994 66	
Hough, J. A., Recorder.	1,000 00		
Browning, A. J., Clerk.	750 00		
Disbursements	304 51	2,054 51	
Lemieux, F. F., Recorder.	625 00		
Campbell, C. A., Clerk.	415 38		
Disbursements	156 80	1,197 18	
McArthur, T. A., Recorder.	1,000 00		
McLaren, Kate, Stenographer.	400 00		
Disbursements	430 00	1,830 00	
McGuire, H. F.	416 66		
Disbursements	126 15	542 81	
Morgan, J. W., Recorder.	567 33		
Disbursements	251 90	819 23	
Sheppard, H., Recorder.	712 10		
Gordon, T. C., Clerk.	678 74		
Jones, T., Clerk.	253 39		
<i>Carried forward</i>	1,644 23	7,893 91	327,430 03

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>	1,644 23	7,893 91	327,430 03
MINING RECORDERS.—Concluded.			
Blair, F. J., Clerk.....	294 23		
Keenan, H., Clerk.....	152 88		
Disbursements	2,434 04	4,525 38	
Smith, George T., Recorder.....	1,750 00		
McAulay, N. J., Assistant Recorder.....	1,000 00		
Bruce, A. E. D., Clerk.....	1,000 00		
Meagher, T. J., Clerk.....	650 00		
Monroe, Eva, Stenographer.....	600 00		
Smith, M. H., Stenographer.....	400 00		
Disbursements	12 69	5,412 69	
Skill, A., Recorder.....	700 00		
Torrance, T. H., Recorder	300 00		
Knapp, A. E., Clerk.....	210 00		
Adams, W. G., Clerk.....	320 39		
Gladwell, C. E., Clerk.....	175 00		
Disbursements	1,899 82	3,605 21	
Canadian Express Co.....	45		
Dominion Express Co.....	235 35		
King's Printer.....	735 68		
Warwick Bros. & Rutter.....	242 00		
Methodist Book Room.....	1 10	1,214 58	
			22,651 77
PROVINCIAL ASSAY OFFICE.			
Turner, N. L.....	976 78		
Disbursements	521 21	1,497 99	
Rothwell, T. E.....	833 30		
Disbursements	218 35	1,051 65	
Supplies	477 00		
Disbursements	227 59		
Equipment	162 57	867 16	
			3,416 80
CULLERS' ACT.			
Oliver, J. A., Disbursements.....		11 35	
Johnson, S. M., Disbursements.....		3 70	
Currie, D. H., Services.....		4 00	
McGregor, S. C., Services.....		4 00	
McDonald, J. H., Services.....	8 00		
Disbursements	5 10		
		13 10	
Kelley, J., Livery.....		4 50	
Floyd, W., Rent of tables.....		5 00	
Town of Fort Frances, Rent of Hall.....		5 00	
			50 65
SURVEYS			83,357 33
BOARD OF SURVEYORS.....			200 00
<i>Carried forward</i>			437,106 58

Appendix No. 6.—Concluded.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>			437,106 58
CONTINGENCIES			
<i>Departmental.</i>			
Printing and Binding	2,368 84		
Stationery	4,632 67	7,001 51	
Postage	2,148 00		
Express	252 02	2,400 02	
Telegraphing	452 06		
Telephone Messages	37 20		
Telephone Rent	54 80		
Car fare	70 00	614 06	
Subscriptions	199 90		
Advertising	4,600 65	4,800 55	
Typewriter, rent and repairs	394 00		
Johnston, H. E., Travelling expenses	18 68		
Kirkpatrick, G. B., Travelling expenses	6 85		
Rorke, L. V., Travelling expenses	21 50		
White, Aubrey, Travelling expenses	18 00		
Whitson, J. F., Travelling expenses	124 80		
Extra Clerks		584 23	
Sundries		3,321 64	
		105 88	
			18,827 89
BUREAU OF MINES.			
Printing and Binding	1,811 18		
Stationery and paper	1,957 28	3,768 46	
Postage	472 67		
Telegraphing	260 63		
Express and Cartage	82 82		
Advertising	4,869 44		
Subscriptions	147 84		
Maps	668 82	6,502 22	
Baker, M. B., Travelling expenses	17 35		
Gibson, T. W., Travelling expenses	18 96		
Johnston, H. E., Travelling expenses	370 77		
Whitson, J. F., Travelling expenses	12 60	419 68	
Typewriter repairs, etc.	21 50		
Bell Telephone Co.	7 80		
Extra Clerks		29 30	
Nicholas, F. J., Preparing index	401 00	1,480 33	
Sundries	180 31		
		581 31	
			12,781 30
PROVINCIAL MINES			13,777 72
COMMISSIONS RE SUNDRY INVESTIGATIONS			792 70
REFUNDS			14,064 53
			\$497,350 72

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister Lands and Forests.

Appendix No. 7.

Statement of Expenses on account of various services under the direction of the Department of Lands, Forests and Mines, for ten months ending Oct. 31st, 1909.

Service.	\$ c.	\$ c.	\$ c.
<i>Diamond Drill.</i>			
MacVicar, J. A.	1,200 00		
Disbursements.....	819 03	2,019 03	
Labor.....	1,446 24		
Freight, Express, Etc.....	204 16	1,650 40	
Supplies	366 87		
Carbons.....	825 94		
Drill furnishings	702 45	1,895 26	
			5,564 69
ALGONQUIN PARK			9,332 29
RONDEAU PARK.....			2,515 53
VETERANS' COMMUTATION....			8,050 00
			<u>\$25,462 51</u>

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister Lands and Forests.

Appendix No. 8.

WOODS AND FORESTS.

Statement of revenue collected during the 10 months ending October 31st, 1909.

	\$	c.
Amount of Western collections at Department.....	791,127	03
do do do Quebec.....	30,666	78
do Belleville collections.....	7,545	96
do Ottawa collections.....	56,552	67
	885,892	44

J. A. G. CROZIER,
Chief Clerk in Charge.

AUBREY WHITE,
Deputy Minister.

Appendix No. 9.

PATENTS BRANCH.

Statement of Patents, etc., issued by the Patents Branch from 1st January to
31st October, 1909.

Crown Lands	760
School do	26
Mining do	282
Public do (late Clergy Reserves).....	6
Free Grant Lands (A. A.).....	108
do (Under Act of 1880).....	403
Rainy River Lands (Mining and Crown).....	247
Mining Leases	42
Licenses of Occupation.....	18
Crown Leases.....	23
Crown Lands (University)	8
Mining do do	1
Free Grant, Act of 1901 (Veterans)	646
Temagami Islands	2
Total	2,572

CHARLES S. JONES,
Chief Clerk.

AUBREY WHITE,
Deputy Minister.

Appendix

WOODS AND

Statement of Timber and Amounts accrued from Timber Dues, Ground

QUANTITY AND

Agencies.	Area covered by timber license.	Saw logs.				Boom and Dimen	
		Pine.		Other.		Pine.	
	Square miles.	Pieces.	Feet B.M.	Pieces.	Feet B.M.	Pieces.	Feet B.M.
Western Timber District	11,649 $\frac{3}{4}$	7,490,545	320,979,340	1,180,815	43,753,119	183,775	26,013,634
Belleville Timber District	919 $\frac{1}{4}$	136,424	9,913,602	50,712	1,443,542	943	274,878
Ottawa Timber District	5,555 $\frac{1}{4}$	1,613,175	100,677,638	372,704	12,028,069	47,962	5,885,686
	18,524 $\frac{1}{4}$	9,240,144	431,570,580	1,604,231	57,224,730	232,680	32,174,198

General Statement

Agencies.	Cordwood.		Tan Bark.	Railway ties.	Posts.	Telegraph poles.	Stave bolts.	Pulpwood.
	Hard.	Soft.						
	Cords.	Cords.		Pieces.	Cords.	Pieces.	Cords.	Cords.
Western Timber District	7,988	11,722	7,689	1,363,542	157	1,852	4,128	59,591
Belleville Timber District			311	337	51	25	4	9
Ottawa Timber District	2,182	9,325	50	9,474	56	199	.....	12,238
	10,170	21,047	8,050	1,373,353	264	2,076	4,132	71,838

J. A. G. CROZIER,
Chief Clerk in Charge.

No. 10.

FORESTS.

Rent and Bonus during the 10 months ending 31st October, 1909.

DESCRIPTION OF TIMBER.

sion timber.		Square timber.				Piles.	Pile timber.	
Other.		Ash, birch, oak and hemlock.		Pine.			Lineal feet.	Pieces.	Feet B. M.
Pieces.	Feet B.M.	Pieces.	Cubic feet.	Pieces.	Cubic feet.			
43,854	5,995,045	A 61 B 41 O 1 A 1	1,452 1,213 30 55	5,949	314,068	3,580	5,961	630,707
498	77,599	A 1	55	47	2,158	.....	.....	.....
9,567	1,174,573	H ..	2,338	.....	.....	2,136	.....	.....
53,919	7,247,217	A 62 B 41 O 1 H .	1,507 1,213 30 2,338	5,996	316,226	5,716	5,961	630,707

of Timber.—Concluded.

Amounts accrued.

Transfer bonus.	Interest.	Trespass.	Timber dues.	Bonus.	Deposits timber sale of 1909.	Ground rent.	Total.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,653 00	9,492 43	42,587 39	784,486 59	63,179 59	273,525 00	45,418 00	1,220,342 00
112 00	480 52	298 72	11,281 42	191 97	.....	3,966 00	16,330 63
605 00	52 70	510 76	129,577 47	325 73	.....	19,001 00	150,072 66
2,370 00	10,025 65	43,396 87	925,345 48	63,697 29	273,525 00	68,385 00	1,386,745 29

AUBREY WHITE,
Deputy Minister.

Appendix No. 11.

Statement of the work done in the Military Branch of the Department of Lands, Forests and Mines, during the ten months ending the 31st October, 1909.

Letters received.....	7,000
Letters written	6,100
Maps supplied to Veterans	2,600
Location Certificates issued	250
Locations made	350
Surrenders	161
References for Patents issued	646
Letters to Military Settlers and Assignees of Veterans.....	434

R. H. BROWNE,
Chief Clerk in Charge.

AUBREY WHITE,
Deputy Minister.

Appendix No. 12.

Statement of the number of Letters received and mailed by the Department in 1907, 1908, and 1909 (10 months).

Year,	Letters received.					Names indexed.	Orders-in-Council.	Returned letters.	Letters, circulars and reports mailed from Department.
	Sales and Free Grants.	Surveys.	Woods and Forests.	Mines.	Totals.				
1907....	24,871	13,463	9,218	10,060	57,612	63,120	284	92	66,000
1908....	22,478	11,263	9,386	9,183	52,310	58,900	243	84	70,000
1909 (10 months)	19,500	16,016	9,086	8,398	53,000	59,400	178	72	62,800

FRANK YEIGH,
Registrar,

AUBREY WHITE,
Deputy Minister.

Appendix No. 13.

Statement showing the number of Locatees and of acres located; of purchasers and of acres sold; of lots resumed for non-performance of the settlement duties and of patents issued under "The Free Grants and Homesteads Act" during the ten months ending 31st October, 1909.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Baxter	Muskoka.	J. B. Brown, Bracebridge...	8	1,193	3	17	6	7
Brunel	"	"	4	376	...	...	4	1
Cardwell	"	"	5	668	...	...	5	4
Chaffey	"	"	1	100	...	...	1	2
Draper .....	"	"	...	...	...	...	...	...
Franklin	"	"	1	196	...	...	...	2
Macaulay	"	"	1	149	...	...	1	...
Medora	"	"	6	977	2	1 $\frac{1}{2}$	6	5
Monck .....	"	"	...	...	...	...	...	...
Morrison	"	"	3	476	5	24 $\frac{1}{2}$	3	4
Muskoka	"	"	2	195	...	...	1	...
McLean	"	"	4	505	...	...	4	5
Oakley	"	"	8	713	1	22	7	6
Ridout	"	"	1	145	...	...	1	1
Ryde	"	"	1	99	...	...	1	...
Sinclair	"	"	5	1,023	1	54	6	1
Stephenson...	"	"	1	91	...	...	...	3
Stisted	"	"	1	96	...	...	2	4
Watt	"	"	2	177	...	...	2	1
Wood	"	"	6	917	2	$\frac{1}{4}$	4	6
Carling	Parry Sound..	F. R. Powell, Parry Sound..	8	1,400	4	48 $\frac{1}{2}$	4	27
Christie	"	"	13	1,834	3	144	6	2
Conger	"	"	11	1,325	9	30	2	15
Cowper .....	"	"	...	...	7	37	...	...
Ferguson .....	"	"	...	...	1	76	1	...
Foley	"	"	2	258	6	21	1	7
Hagerman	"	"	2	305	...	...	2	2
Harrison .....	"	"	...	...	7	502	...	...
Humphrey	"	"	1	170	3	15	1	5
McConkey	"	"	2	200	...	...	...	...
McDougall	"	"	3	300	2	161	3	3
McKellar	"	"	6	624	...	...	2	4
McKenzie	"	"	5	709	...	...	4	4
Monteith	"	"	6	1,012	1	1	2	5
Shawanaga	"	"	1	200	2	22	...	6
Wilson .....	"	"	...	...	1	5	...	2
Chapman	"	Dr. J. S. Freeborn, Magnet- awan.	8	122 $\frac{1}{2}$	4	279	8	7
Croft	"	"	12	1,706	...	...	8	4
Ferrie	"	"	2	294	...	...	1	1
Gurd	"	"	8	1,111	...	...	4	7
Lount	"	"	4	174	...	...	1	...
Machar	"	"	4	497	...	...	7	...
Mills .....	"	"	...	...	1	100	...	1
Pringle	"	"	1	201	2	2	2	2
Ryerson	"	"	3	274	...	...	4	6
Spence	"	"	14	1,941	4	287	12	7
Strong	"	"	5	692	...	...	3	2

Appendix No. 13.—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Armour	Parry Sound..	W. Jenkin, Emsdale.....	1	100	...	...	2	1
Bethune	"	" "	6	1,034	4	42	3	4
Joly	"	" "	2	304	2	4	2	3
McMurrich .....	"	" "	...	...	...	...	...	2
Perry	"	" "	3	465	...	...	3	4
Proudfoot	"	" "	1	100	...	...	1	5
Hardy	"	H. J. Ellis, Powassan.....	4	598	1	2 $\frac{1}{2}$	1	2
Himsworth	"	" "	11	1,709	1	100	9	11
Laurier	"	" "	8	994	2	13 $\frac{1}{2}$	6	6
Nipissing	"	" "	4	700	11	46 $\frac{1}{2}$	6	5
Patterson.....	"	" "	5	964	1	30	1	4
Bonfield.....	Nipissing	W. J. Parsons, North Bay...	7	777	...	...	1	5
Boulter .....	"	" "	...	...	...	...	...	...
Chisholm	"	" "	8	1,209	...	...	4	2
Ferris	"	" "	23	2,106	2	128	13	6
Anson	Haliburton ...	R. H. Baker, Minden.....	3	401	1	1	1	...
Glamorgan ..	"	" "	8	755	...	...	3	1
Hindon .....	"	" "	...	...	...	...	...	...
Lutterworth..	"	" "	1	51	1	86	1	3
Minden	"	" "	4	502	...	...	4	1
Snowdon	"	" "	3	299	1	2	2	...
Stanhope	"	" "	7	753	1	2	4	...
Sherborne.....	"	" "	5	389	4	51 $\frac{1}{2}$	...	3
Anstruther ...	Peterboro'....	T. G. Eastland, Apsley	3	414	1	31	2	1
Burleigh, N.D.	"	" "	1	83	...	...	1	...
" S.D.	"	" "	...	...	...	...	...	...
Chandos	"	" "	1	91	...	...	1	...
Methuen	"	" "	3	300	...	...	1	2
Cavendish.....	Peterboro'....	James Wilson, Kinmount...	2	306	...	...	1	1
Cardiff	"	" "	9	1,220	...	...	8	2
Galway	"	" "	6	622	2	7	2	4
Monmouth ...	"	" "	7	822	2	40	2	3
Bangor	Hastings	J. R. Tait, L'Amable.....	3	290 $\frac{1}{2}$	1	24	1	2
Carlow	"	" "	3	267	...	...	...	...
Cashel	"	" "	3	300	1	5	1	1
Dungannon ..	"	" "	4	441 $\frac{1}{2}$	1	88	5	1
Faraday	"	" "	7	882 $\frac{1}{2}$	2	120 $\frac{1}{2}$	5	3
Herschel	"	" "	8	920	1	3	5	4
Limerick.....	"	" "	...	...	1	21	...	2
Mayo	"	" "	8	104 $\frac{1}{2}$	...	...	6	4
Monteagle	"	" "	3	330 $\frac{1}{2}$	...	...	...	9
McClure .....	"	" "	...	...	...	...	...	...
Wicklow	"	" "	5	765 $\frac{1}{2}$	...	...	1	...
Wollaston.....	"	" "	3	385	...	...	1	...
Algona, S.....	Renfrew	Adam Prince, Wilno.....	2	316	1	16	...	...
Brougham	"	" "	8	1,271	...	...	4	...
Brudenell	"	" "	8	970	...	...	...	...
Burns	"	" "	2	200 $\frac{1}{2}$	1	20	2	4
Grattan .....	"	" "	...	...	...	...	...	1
Griffith	"	" "	6	675	...	...	6	6
Fagarty .....	"	" "	...	...	...	...	...	...

Appendix No. 13.—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Jones	Renfrew	Adam Prince, Wilno.....	4	516	..	..	1	..
Lyell	Nipissing	" "	5	722	2	42	3	2
Lyndoch	Renfrew	" "	4	410	..	..	2	2
Matawatchan.	" "	" "	1	104	..	..	..	..
Radcliffe	" "	" "	5	897	3	141	3	1
Raglan	" "	" "	6	610	2	64	2	10
Richards	" "	" "	4	428	..	..	..	..
Sebastopol ..	" "	" "	2	250	..	..	2	2
Sherwood	" "	" "	17	1,584	2	17	6	7
Algona, N....	Renfrew	D. B. Warren, Pembroke....	1	97	..	..	..	..
Alice	" "	" "	6	672	..	..	..	1
Buchanan (pt)	" "	" "	..	..	..	..	..	1
Fraser	" "	" "	3	355½	..	..	2	..
Head .....	" "	" "	..	..	..	..	..	..
Maria .....	" "	" "	..	..	..	..	..	..
McKay (pt) ..	" "	" "	..	..	..	..	..	..
Petawawa ...	" "	" "	4	404	1	5½	..	2
Rolph	" "	" "	1	100	..	..	..	3
Wilberforce ..	" "	" "	1	100	..	..	1	..
Wylie (pt)....	" "	" "	..	..	..	..	..	1
Calvin	Nipissing	James Jenks, Mattawa	2	200	..	..	1	2
Cameron (pt).	" "	" "	2	200	..	..	..	..
Lauder .....	" "	" "	..	..	..	..	..	1
Mattawan....	" "	" "	..	..	..	..	..	1
Papineau	" "	" "	9	850	1	11	4	3
Korah	Algoma	B. J. Rothwell, Sault Ste.	1	160	..	..	..	2
Parke.....	" "	" " Marie	..	..	..	..	..	..
Prince.....	" "	" "	3	488	2	200	2	3
Aberdeen	" "	Thos. Buchanan, Thessalon.	..	..	..	..	..	4
" add.	" "	" "	1	141	..	..	..	..
Galbraith....	" "	" "	18	2,734	1	6½	3	9
Lefroy	" "	" "	1	160	..	..	..	1
Plummer ....	" "	" "	..	..	1	94	..	2
" add.	" "	" "	..	..	..	..	..	..
St. Joseph Is'd	" "	W. E. Whybourne, Marksville	3	283	1	9	3	6
Merritt.....	" "	R. J. Byers, Massey	35	4,604½	1	79½	1	..
Blake.....	Thunder Bay.	H. A. Keefer, Port Arthur ..	2	320	..	..	2	3
Conmee	" "	" "	23	3,814	2	168½	25	6
Crooks .....	" "	" "	..	..	..	..	..	3
Dawson Road.	" "	" "	17	1,511	..	..	9	1
Dorion	" "	" "	14	2,109	3	160	9	10
Gillies	" "	" "	7	1,047½	3	162½	6	6
Gorham.....	" "	" "	27	4,578½	1	20	17	1
Lybster	" "	" "	8	1,226	2	168	8	6
Marks.....	" "	" "	14	2,219½	2	166½	8	7
McIntyre	" "	" "	7	985	..	..	6	..
McGregor	" "	" "	14	2,247	5	4½	8	7
O'Connor....	" "	" "	15	2,400½	2	301	13	7
Oliver.....	" "	" "	13	2,080	2	5	11	1
Paipoonge, N R	" "	" "	1	89	1	100	2	2
" S R	" "	" "	2	200	3	202	2	2

Appendix No. 13.—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Pardee.....	Thunder Bay..	H. A. Keefer, Port Arthur..	..	..	..	..	..	..
Pearson.....	"	"	3	480 $\frac{1}{2}$	7	977 $\frac{1}{2}$	8	4
Scoble.....	"	"	9	1428 $\frac{1}{2}$	1	3	5	2
Strange.....	"	"	7	962	3	377 $\frac{1}{2}$	6	6
Atwood.....	Rainy River..	William Campbell, Stratton..	..	..	..	..	..	..
Blue.....	"	"	7	968	4	88	8	10
Curran.....	"	"	2	324	1	1	3	1
Dewart.....	"	"	3	480	..	..	5	..
Dilke.....	"	"	1	80	2	5	1	4
Morley.....	"	"	4	484	5	196	4	4
Morson.....	"	"	57	8,599 $\frac{3}{4}$	4	205 $\frac{1}{2}$	..	..
McCrosson...	"	"	14	1,911	7	396	11	5
Nelles.....	"	"	9	1,232	7	213	8	10
Pattullo....	"	"	7	957	2	36	7	6
Pratt.....	"	"	11	1,759 $\frac{1}{4}$	..	..	9	2
Roseberry....	"	"	..	..	..	..	..	..
Sheuston....	"	"	6	923	7	178	5	6
Spohn.....	"	"	30	4,605	3	121 $\frac{3}{4}$	9	3
Sutherland...	"	"	11	1,853 $\frac{1}{2}$	2	80	7	5
Sifton.....	"	"	18	2,841 $\frac{1}{2}$	6	296	10	4
Tait.....	"	"	5	729	2	121	8	4
Tovell.....	"	"	17	2,408 $\frac{1}{4}$	5	360 $\frac{1}{2}$	14	6
Worthington..	"	"	..	..	2	82	..	3
Aylsworth...	Rainy River..	Alex. McFayden, Emo.....	..	..	2	68	..	2
Barwick.....	"	"	..	..	..	..	..	..
Burris.....	"	"	10	1,651	4	171 $\frac{1}{2}$	10	8
Carpenter....	"	"	4	647 $\frac{1}{2}$	..	..	4	2
Crozier.....	"	"	9	1,146 $\frac{3}{4}$	4	76 $\frac{1}{4}$	8	7
Dance.....	"	"	18	2,783	..	..	12	4
Devlin.....	"	"	1	41	1	42	..	6
Dobie.....	"	"	6	995 $\frac{1}{2}$	4	149 $\frac{3}{4}$	10	7
Fleming.....	"	"	1	154	..	..	..	..
Kingsford....	"	"	12	1,896	1	40 $\frac{1}{2}$	10	4
Lash.....	"	"	6	891	5	445	4	5
Mather.....	"	"	6	988 $\frac{1}{2}$	6	318	6	12
Miscampbell..	"	"	15	2,434	3	167 $\frac{3}{4}$	10	3
Potts.....	"	"	24	3,826 $\frac{1}{2}$	1	1 $\frac{1}{2}$	3	2
Richardson...	"	"	7	1,038 $\frac{1}{2}$	1	79 $\frac{3}{4}$	1	3
Roddick.....	"	"	2	236	2	38	..	2
Woodyatt.....	"	"	..	..	1	4	..	3
Aubrey.....	Rainy River...	R. H. Pronger, Dryden.....	10	1,428 $\frac{1}{2}$	1	12	6	2
Eton.....	"	"	4	479 $\frac{1}{2}$	..	..	2	4
Langton.....	"	"	..	..	..	..	..	..
Mutrie.....	"	"	6	912 $\frac{1}{2}$	2	172	4	5
Rugby.....	"	"	1	160	..	..	..	4
Sanford.....	"	"	8	1,222	3	83 $\frac{1}{2}$	6	6
Temple.....	"	"	5	810	..	..	..	..
Vanhorne....	"	"	4	596	2	280	3	3
Wainwright..	"	"	6	823 $\frac{1}{4}$	2	199 $\frac{1}{2}$	2	2
Zealand.....	"	"	13	1,810 $\frac{1}{2}$	1	11 $\frac{1}{4}$	11	6
Melick.....	"	W. L. Spry, Kenora.....	36	4,962 $\frac{1}{2}$	7	417 $\frac{1}{2}$	22	3
Pellatt.....	"	"	26	3,814 $\frac{1}{2}$	2	95 $\frac{1}{2}$	11	5
Blezard.....	Sudbury.....	J. A. Lemieux, Sudbury... .	4	439 $\frac{3}{4}$	..	..	2	3
Capreol.....	"	"	36	4,559	6	90	1	31

Appendix No. 13.—Concluded.

Township.	District or County.	Agent.	No. of persons located.	No of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Hanmer.....	Sudbury	J. K. MacLennan, Sudbury ..	28	3,841 $\frac{1}{2}$	3	11	4	13
Balfour	"	"	8	941 $\frac{1}{2}$	1	77 $\frac{3}{4}$		7
Broder.....	"	"	14	1,953 $\frac{1}{2}$			3	5
Chapleau.....	Algoma	"	7	981	2	89		
Dill.....	Sudbury	"	1	166				1
Garson.....	"	"	5	711 $\frac{1}{2}$	4	19 $\frac{3}{4}$		6
Neelon.....	"	"	16	2,281 $\frac{1}{2}$	7	280	2	7
Rayside.....	"	"	5	603 $\frac{1}{2}$				6
Appleby.....	Sudbury	E. A. Wright, Warren.....	16	2,621	2	64		9
Casimir	"	"	5	842 $\frac{1}{2}$	1	8		2
Dunnet.....	"	"	8	1,148 $\frac{1}{2}$	6	29		11
Hagar	"	"	13	2,089 $\frac{1}{2}$	1	50 $\frac{1}{2}$		8
Jennings	"	"	7	920 $\frac{3}{4}$				7
Kirkpatrick ..	Nipissing ...	"	7	1,052	2	9		7
Ratter.....	Sudbury	"	4	640 $\frac{1}{2}$			2	3
Caldwell.....	Nipissing ...	J. A. Philion, Sturgeon Falls.	3	400	1	2 $\frac{1}{2}$		13
Cosby.....	Sudbury	"	11	1,761 $\frac{1}{2}$	4	5		9
Grant.....	Nipissing ...	"	7	810 $\frac{1}{2}$				
Macpherson ..	"	"	18	2,776				11
Martland	Sudbury	"	5	805	1	1 $\frac{1}{2}$		7
Springer.....	Nipissing ...	"	6	659			1	12
Abinger.....	Lennox and Addington	Charles Both, Denbigh	2	400			1	2
Clarendon....	Frontenac....	"						2
Denbigh... ..	Lennox and Addington	"	2	200	1	1		3
Canonto, S....	Frontenac....	"						
" N....	"	"						
Miller (pt.)...	"	"	1	100				
Palmerston (pt)	"	"						
Airy.....	Nipissing	Unattached	8	1,119	1	2		4
Finlayson....	"	"						1
Murchison ...	"	"	1	155				
Sabine.....	"	"	6	882				3
			1418	196,602 $\frac{3}{4}$	329	12,211 $\frac{1}{2}$	705	804

W. C. CAIN,
Clerk in Charge.

AUBREY WHITE,
Deputy Minister.

Appendix No. 14.

Statement of Municipal Surveys for which instructions issued during the 10 months,
ending October 31st, 1909.

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.
1	Alex. Niven.....	672	June 12, 1909....	To survey the lines of the streets in the town of Niagara and to mark the same by suitable monuments in such a manner as the proper lines thereof may at any time be laid down upon the ground.
2	H. T. Routly....	673	July 14, 1909....	To survey part of the town of Haileybury, in the District of Nipissing, as shown on plan M. 13, of the town of Haileybury, and to plant permanent monuments marking the lines of the streets in the town of Haileybury as shown on said Plan M. 13.
3	Thomas H. Dunn.	674	Aug. 6, 1909	To survey the concession line and road between the 10th and 11th concessions of the township of Winchester across lots Nos. 12, 13, 14, 15, 16 and the west half of Lot No. 17, in the 10th concession of the township of Winchester, or as far as may be necessary to find original or undisputed monuments on each side and to plant permanent monuments to mark the said road on each side.
4	Alex Niven	675	Oct. 5, 1909	To survey the southern boundary of the town of Niagara and to define the same by durable monuments.

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests

Appendix No. 15.

Statement of Municipal Surveys confirmed during the 10 months ending October 31st, 1909.

No	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O., 1897, Chap. 181, secs. 10-15 inclusive.
1.	Herbert J. Bowman .	660	Aug. 7th, 1907...	To survey the original road allowance between the third and fourth concessions of the township of Garafraxa situate between the east, otherwise called the northeast halves of lots 11, 12 and 13, in the 3rd con., and the west, otherwise called the southwest halves of lots 11, 12 and 13, in the 4th con., of the said township, and to have the said road allowance marked by permanent stone or iron boundaries; and if the original monuments cannot be found at the corners of these lots to make the survey between the nearest undisputed points on said road allowance.	June 22, 1909.
2.	Lewis Bolton... .	671	March 4th, 1909.	To survey the boundary road allowance between the townships of McKillop and Grey, from the northeast corner of Lot No. 1, con. 14 of the township of McKillop westerly to the northwest angle of lot No. 10, con. 14 of the said township of McKillop, and that iron or other durable monuments be planted at the northerly and southerly angles of each original lot along this boundary in each of the townships of McKillop and Grey.	Sept. 3, 1909.

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 16.

Statement of Crown Surveys in progress during the ten months ending October 31st, 1909.

No.	Date of Instructions.	Name of Surveyor.	Description of survey.	Amount paid.
				\$ c.
1	May 17, 1909..	C. H. Fullerton..	Survey of Lots 5 and 6, Township of James, District of Nipissing.....	300 00
2	May 18, 1909 .	Speight & Van Nostrand.....	Survey of Base and Meridian Lines, District of Sudbury and Algoma.....	13,500 00
3	July 29, 1909..	G. S. Abrey.....	Survey of Township of Wabigoon, District of Kenora.....	1,600 00
4	May 20, 1909..	F. W. Paulin.....	Survey of timber berths, District of Thunder Bay	3,400 00
5	May 27, 1909..	H. J. Beatty.....	Survey of outlines of townships, Temagami Forest Reserve.....	5,500 00
6	May 31, 1909..	W. & D. Beatty..	Survey of Township of Blount, District of Nipissing	3,500 00
7	May 31, 1909..	J. Hutcheon.....	Survey of Township outlines, Districts of Nipissing and Sudbury.....	4,500 00
8	June 1, 1909..	J. S. Dobie.....	Survey of Township outlines, Mississauga Forest Reserve.	5,500 00
9	May 25, 1909..	Cavana & Watson.	Survey of Township outlines, Mississauga Forest Reserve.	4,500 00
10	May 25, 1908..	T. J. Patten.....	Survey of Township outlines, Mississauga Forest Reserve.	3,500 00
11	July 21, 1909..	C. H. Fullerton..	Survey of Township outlines, District of Nipissing	3,000 00
12	July 21, 1909 .	J. W. Fitzgerald.	Survey of Township outlines, District of Sudbury	2,500 00
13	Oct. 4, 1909..	J. H. Burd.....	Survey of timber berths E, F, I. and J., District of Algoma.....	300 00
14	May 20, 1909..	G. S. Abrey.....	Survey of timber berths, District of Rainy River	1,640 00
15	Dec. 31, 1908..	L. V. Korke.....	Survey of outlines of Townships, Temagami Forest Reserve.....	1,500 00
				<hr/> 54,740 00

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests

Appendix No. 17.

Statement of Crown Lands surveyed, completed and closed during the ten months ending October 31st, 1909.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of acres.
1	May 28, 1908....	T. D. Green.....	Survey of Township of Umbach, District of Rainy River.....	1,284 65	29,965
2	May 27, 1908....	T. Byrne.....	Survey of Township of Skead, District of Nipissing.....	720 80	23,208
3	Oct. 31 1908	DeMorest, Stull & Low.....	Survey of burnt territory east of Mozhabong Lake, District of Sudbury	191 91	
4	May 29, 1908 ..	J. Hutcheon.....	Survey of Township of Sankey, District of Algoma.....	166 00	51,660
5	May 29, 1908 ...	J. Hutcheon.....	Survey of Township of Fleck, District of Algoma.....	73 50	51,735
6	Feb. 1, 1908. ...	Speight & Van Nostrand.....	Survey of Abitibi Lakes and Islands, District of Nipissing....	3,204 52	
7	June 2, 1909.....	Edmund Seager..	Survey of outlines of Townships, District of Rainy River.....	800 07	
8	Jan. 10, 1909	L. V. Rorke.....	Survey of town plot of Gowganda, District of Nipissing.....	2,234 75	
9	Feb. 17, 1909....	A. Lougheed.....	Survey of timber berths A. L. 1 and A. L. 2, District of Thunder Bay	162 90	
10	May 20, 1909....	E. D. Bolton.....	Survey of timber berths, District of Rainy River.....	1,569 76	
11	May 28, 1809....	J. H. Burd.....	Survey of timber berths, District of Thunder Bay	1,695 46	
12	May 26, 1909....	D. J. Gillon.....	Survey of timber berths, District of Rainy River.....	1,606 09	
13	May 28, 1909....	J. J. Lang.....	Survey of timber berths, District of Rainy River.....	1,025 14	
14	May 31, 1909....	Sutcliffe & Neelands.....	Survey of Willow River berths, H.S. 1000, 1002, in the District of Thunder Bay.....	1,695 45	
15	June 2, 1909.....	D. Williams.....	Survey of timber berths, District of Thunder Bay.....	1,028 32	
16	June 8, 1909.....	L. V. Rorke.....	Survey of town plot, Winnipeg River	212 45	
17	March 3, 1909....	L. V. Rorke.....	Survey of Block B, Gowganda.	366 16	
18	Sept. 1, 1909	L. V. Rorke.....	Survey of Frederick House town plot	225 08	
19	April 28, 1908. .	W. Murdoch.....	Survey of the Township of Morson, District of Rainy River..	554 98	
			D. Davidson with O.L.S. W. Murdoch.	100 67	
			E. G. Davis with O.L.S. W. Murdoch.	115 00	
			A. J. Bennett with O.L.S. W. Murdoch.	100 00	
			Benjamin Martin with O.L.S. W. Murdoch.	214 65	
			W. O. Souch with O.L.S. W. Murdoch	85 00	
			H. W. Renwick with O.L.S. W. Murdoch.	118 55	
			Leopold Allin, with O.L.S. W. Murdoch	112 90	
20	Aug. 18, 1909 ...	R. W. Demorest..	Survey of timber berths W.D. 7 and W.D. 8.	196 93	

Appendix No. 17.—Continued.

Statement of Crown Lands surveyed, completed and closed during the ten months.—Continued.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of acres.
21	May 19, 1909....	L. O. Clarke.....	Survey of part of Lot 13. Con. 3. Widdifield	13 00	
			E. H. Harcourt, printing maps..	7,254 75	
			C. Tarling & Co., mounting maps.	602 00	
			The Map Publishing Co., maps..	7 50	
			The Map Specialty Co., maps....	80 70	
			J. W. Stone, for canoes for use Surveyors	325 00	
			J. A. Oliver, snow shoes, timber berths A.L. 1 and A.L. 2.....	8 00	
			The Copp Clark Co., Ltd., maps, Morson	25 00	
			Rice Lewis & Son, iron posts...	42 44	
			John Foreman, travelling ex- penses with E. D. Bolton.	32 90	
			Rice Lewis & Son, iron posts....	154 35	
			G. M. Hendrie Co., maps.....	30 00	
				28,617 33	156,568

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

*Appendix No. 18.*TOWNSHIP OUTLINES IN THE TEMAGAMI FOREST RESERVE,
DISTRICT OF NIPISSING.

TORONTO, ONTARIO, September 31st, 1909.

SIR,—I have the honour to submit the following report upon the survey of certain township outlines in the Gowganda Mining Division, in the Temagami Forest Reserve, and also the traverse of Gowganda and Obuskong Lakes made by me under instructions from your department, dated the thirty-first of December, nineteen hundred and eight. This survey was commenced in January of the present year, and carried on as rapidly as circumstances would permit, with the result that the traverse work and some thirty-six miles of outlines was completed before the break up in the months of April and May, when work was discontinued, and the remainder of the line finished in July and August.

The base line forming the southern boundary of the townships of Nicol and Milner was run due west astronomically from the iron post planted by me last year six miles due south from the north-east angle of said township of Nicol. Meridian lines were run north from the sixth mile point on this base line forming the western boundary of the townships of Nicol, Haultain and Morel, and from the twelfth mile point forming the western boundary of the townships of Milner and Van Hise. Base lines were also run due west astronomically to intersect the meridian lines as follows:—

From the iron post planted by me last year at the east side of Burk Lake, thus completing the northern boundary of the township of Nicol, and forming the northern boundary of the township of Milner.

From an iron post planted by me last year at the north-west angle of the township of Chown, thus forming the northern boundary of the townships of Haultain and Van Hise.

From an iron post planted by me last year at the east side of Sisseney Lake, on the east branch of the Montreal River, thus completing the northern boundary of the township of Morel.

Good substantial squared wooden posts were planted at every mile throughout the survey, excepting where such point came within a lake or river, in such cases the witness post was planted at the shore with the proper chainage enscribed thereon. The mile posts were all properly marked with the mileage, numbered from east and south, from 1 M. to 6 M. for each township boundary.

PHYSICAL FEATURES.

In general the surface of the country traversed was rough and rocky.

The water shed between the east and west branch of the Montreal River is only from three to four miles wide.

During the course of the survey great activity prevailed in prospecting for mineral, and several discoveries of silver have been made. The geological features have been investigated closely by the Department of Mines.

TIMBER.

The timber consisted chiefly of spruce, birch, poplar, and jack pine from three to ten inches in diameter.

A considerable area of this country, especially along the water routes, has been burnt over during the years nineteen hundred and eight and nineteen hundred and nine. There are some scattered areas of red and white pine which are generally found around the lakes. The only particular good area of white pine lies along the southern boundary of the township of Nicol, extending from the 4th mile post easterly and northerly to Petipher Lake, also southerly into the township of Charters.

WATERS.

There are several rapids and falls on the east branch of the Montreal River within these townships which might be developed into water power plants of one hundred and fifty horse power or more if occasion should arise. These are located as follows:—

1. On the east branch of the Montreal River, in the township of Nicol, south of Inlet Bay on Gowganda Lake, there is a fall of thirty-eight feet in the two rapids. The banks are good and substantial for retaining water. The estimated horse-power, two hundred and fifty in low water.

2. On the east branch of the Montreal River, in Gowganda town site reserve, township of Nicol, there is a fall of twenty-seven feet in a rapid which extends from Gowganda to Burk Lake, estimated horse-power, three hundred in low water.

3. On the east branch of the Montreal River, at the outlet of Burk Lake, township of Haultain, there is a fall of four feet, and at the outlet of Edith Lake, in the township of Van Hise, there is a fall of eleven feet. These two might be developed as one power, estimated at one hundred and fifty horse-power in low water.

4. On the east branch of the Montreal River, at the outlet of Crotch Lake, in the township of Morel, there is a fall of fifteen feet, and length of rapid about ten chains; estimated horse-power, one hundred and fifty.

5. On the east branch of the Montreal River, about a mile below number four, in the township of Morel, there is a fall of about fifteen feet; length of rapids, fifteen chains; estimated horse-power, one hundred and fifty.

6. On the east branch of the Montreal River, about two miles below number five, at the south end of Tommy Lake, there is a fall of twenty-four feet; length of rapid, six chains; estimated horse-power, three hundred.

7. On the east branch of the Montreal River, about a mile below number five, at the north end of Tommy Lake, there is a fall of thirty feet; estimated horse-power, four hundred.

These are the only water powers within the country traversed which I estimate would run over one hundred and fifty horse-power in low water.

Accompanying this report, I submit a plan and field notes, also accounts in triplicate with vouchers.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) L. V. RORKE,

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 19.

TOWNSHIP OF SKEAD, DISTRICT OF NIPISSING

SAULT STE. MARIE, ONTARIO, March 18th, 1909.

SIR,—I have the honour to submit the following report on the survey of the township of Skead, in the district of Nipissing, performed under instructions from your department, dated May twenty-seventh, nineteen hundred and eight.

As instructed, I commenced the survey at the south-west angle of the township, where I found a one and seven-eighth inch iron post alongside of a wooden post marked on the north-west "Catharine"; west "1"; on the north "Con. 1"; north-east "Skead"; on the east "1"; on the south-east "Bayly"; on the south "Con. VI."; on the south-west "Marter"; on the west "1." From this point I chained north along the west boundary to the line between the third and fourth concessions finding the intermediate posts of wood properly marked. At this point I planted a one and one-quarter inch iron post alongside of the wooden post marked on the north "IV."; on the east "I"; on the south "III"; on the west "12."

I then moved to lot four, in concession one, where I took an observation of polaris and ran side line four and five due north six miles, giving the concessions a uniform width of eighty chains and the lots forty chains each. At the north-west angle an iron post alongside of a wooden post marked on the north-east side "Hearst"; on the east "1"; on the south-east "Skead"; on the south "VI."; on the south-west "Catharine"; on the west "1"; on the north-west "McElroy."

At the intersection of the south boundary with side line six and seven a one and one-quarter inch iron post alongside a wooden post is planted, marked on the north side "Con. 1, Skead"; on the west side "VI."; on the south "Bayly VI."; on the east side "VII."

At the south-east angle of the township a one and seven-eighth inch iron post alongside of a wooden post is planted, marked on the north side "1"; on the north-east "Rattray"; on the south-east "Mulligan"; on the south "VI."; on the south-west "Bayly"; on the north-west "Skead."

At the intersection of concession lines three and four with the east boundary a one and one-quarter inch iron post is planted alongside a wooden post, marked on the north "IV."; on the east "Rattray"; on the south "III."; on the west "XII."

At the northeast corner of the township a one and seven-eighth inch iron post is planted alongside of a wooden post marked on northeast side "McFadden"; on the southeast side "Rattray"; on the south side "VI."; on the southwest side "Skead"; on the west "XII."; on the northwest "Hearst."

At the intersection of side line six and seven with the north boundary a one and one-quarter inch iron post is planted alongside of a wooden post marked on the north "Hearst"; on the west "VI."; on the south "Skead VI."; on the east "VI."

A one and one-quarter inch iron post alongside a wooden post was also planted at the intersection of side line six and seven with concession line three and four, marked on the west "VI."; on the south "III."; on the east "VII."; on the north "IV."

Frequent observations for azimuths were taken, some of which are noted in the field notes, the variation of the magnetic needle being constant at eight and one half degrees west of the true meridian.

The township is well watered by several small lakes and small streams, the principal being Windigo with its lake expansions. The township is fairly level, soil being mostly clay, with the exception of a small tract of sand at the north-west corner of the township, through which the road to Larder Lake runs.

A rocky ridge runs along the south boundary, also along the east boundary and the eastern part of the north boundary. The shores of all the lakes are rocky but fully sixty per cent. of the area is fit for agricultural purposes.

The timber is poplar, white birch, spruce, balsam and a few cedar, with jack pine near the lakes ranging from three to ten inches diameter.

Moose were in great numbers but scarcely any small game. Pike and pickerel are the only fish we found. I found no settlers. General formation Huronic.

As to mining claims, there are a great number of location lines. I only looked after the Nigger Mine as shown on the plan.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) THOMAS BYRNE,

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 20.

BASE AND MERIDIAN LINES, DISTRICT OF ALGOMA.

THESSALON, ONT., February 12th, 1909.

SIR,—I have the honour to submit the following report on the survey of base and meridian lines in and adjacent to the Mississaga Forest Reserve, in the district of Algoma, made by me during the past season, under instructions from your department dated twenty seventh of May, nineteen hundred and eight.

I left Thessalon on June eleventh and proceeded to Bisco, by way of Sudbury, where most of my supplies and outfit had previously been shipped. I completed my outfit here and had everything shipped to Wakami Siding, about forty miles west of Bisco, on the Canadian Pacific Railway. From this point a very good canoe route leads to the head waters of the Wenebagon River, a tributary of the Mississaga River. This route was used in proceeding to the starting point of the survey, as it is much easier than the usual route from Bisco, the portages being short and less numerous. I arrived safely at the mouth of the Aubinadong River with my outfit and four months' supplies and proceeded up this river about ten miles. At this point the supplies were cached and I then proceeded with a light outfit to the starting point, at the seventy-eighth mile post on the base line run

by Ontario Land Surveyor Niven in nineteen hundred and two, arriving there on the evening of Saturday, June twenty-seventh.

I commenced the survey of the first meridian line at the seventy-eighth mile post on the base line run by Ontario Land Surveyor Niven in nineteen hundred and two and ran due north astronomically a distance of thirty miles, planting a wooden post at the end of every mile marked on the south side with the number of miles distant from the starting point. Iron posts were planted beside the wooden posts at the end of the sixth, twelfth, eighteenth, twenty-fourth and thirtieth miles. These posts were marked the same as the wooden posts, the number of the mile being cut in Roman numerals with a cold chisel.

From the thirtieth mile on the first meridian I ran due east on the second base line a distance of twelve miles, planting wooden posts at every mile, and marking them on the west side. Iron posts were planted at the sixth and twelfth miles and marked similarly to the wooden ones.

I then returned to the thirtieth mile on the first meridian and ran due west astronomically a distance of twenty-three miles, seventy-five chains, seventy-six links, at which point I intersected the meridian line run by Ontario Land Surveyor Speight in eighteen ninety-eight. A wooden post marked on the east side was planted at the end of each mile and at the intersection with Ontario Land Surveyor Speight's meridian. Iron posts were planted at the end of the sixth, twelfth and eighteenth mile and at Ontario Land Surveyor Speight's meridian, the marking being the same as on the wooden posts beside which they were planted. The wooden post at the west end of this line is marked "XXIV M—4.24 ch" on the east side. The iron post, however, is marked "XXIV M," as I had unfortunately lost the cold chisel used for marking the iron posts, the marking was done with a file, and I found it impossible to mark the broken chainage on the iron post. I then marked it with the even mile and noted the fact in the field notes.

On completing this line I returned to the twelfth mile and commenced the survey of the second meridian by running due south astronomically from the twelfth mile post on the second base line. I ran this line due south a distance of twenty-four miles, thirty-four chains, forty-three links, at which point I intersected the production of the north limit of township twenty-two, range ten, which line had been run by Ontario Land Surveyor Cozens in nineteen hundred and seven. I produced this line due east astronomically a distance of seven chains thirty-one links to intersect my second meridian line. Wooden posts marked on the south side were planted at the end of each mile on this line. Iron posts were planted at the end of the sixth, twelfth, eighteenth and twenty-fourth miles and marked on the north side. At the intersection with the easterly production of the north limit of township twenty, range ten, a cedar post was planted marked "XXIV M+34.93 chs." on the north side.

From this point I returned to the eighteenth mile post on the second meridian line and from this point ran due east astronomically on the first base line. I had intended running the western twelve miles of the first base line before running east, but on arriving at the starting point I found that it would be impossible to do this on account of the great difficulty in getting supplies to the line. I, therefore, decided to leave this twelve miles until later, and ran east towards my base of supplies on the Aubinadong River. I ran the portion of the first base line which lies between the first and second meridians from west to east instead of from east to west as instructed. I marked the posts, however, with the distance in miles from the first meridian line on the east side of each post. An iron post

was planted at the end of the sixth mile marked "VI M" on the east side. I intersected the first meridian at a point four chains fifty-nine links south of the twelfth mile post. No iron post was planted here, but a wooden post was planted marked "XII M—4.59 ch." on the south side.

From the first meridian I ran due east astronomically from the twelve mile post a distance of twelve miles, three chains, fifteen links, at which point I intersected the meridian line run by Ontario Land Surveyor Niven in nineteen hundred and two, at a point four chains eighty-one links south of his twelve mile post. Wooden posts marked on the west side were planted at the end of each mile on this line. No post was planted at the end of the twelfth mile but at Ontario Land Surveyor Niven's meridian a post was planted, marked "XII M—3.15 ch." on the west side. Iron posts were planted at the end of the sixth mile and at Ontario Land Surveyor Niven's meridian marked the same as the wooden posts, except that the iron post at Ontario Land Surveyor Niven's meridian is marked "XII M" on account of it being impossible to mark the extra chainage with a file.

On completing this line I decided to return home and went down the Aubindong and Mississaga Rivers, arriving in Thessalon on the night of October twelfth.

Immediately after New Year's I proceeded to Searchmont on the Algoma Central Railway, where I procured a team and transported my outfit to a lumber camp in township twenty-two, range eleven. From here I proceeded by toboggan to a point near the eighteen mile post on the second meridian line, from which point I ran due west on the first base line a distance of twelve miles, seven chains, thirty-five links to the meridian run by Ontario Land Surveyor Speight in eighteen ninety-eight. I planted a wooden post marked on the east side at the end of each mile with the exception of the twenty-fourth mile. A post was planted, however, at the intersection of Ontario Land Surveyor Speight's meridian which came at twenty-four miles plus seven chains thirty-five links. Iron posts were planted at the eighteenth mile and at the intersection with Ontario Land Surveyor Speight's meridian and marked similarly to the wooden posts at these points.

On all of the above lines where the end of a mile came in a lake a post was planted on the nearest shore and marked and the distance marked on the post plus or minus as the case might be.

Throughout the survey care was taken to have the lines well cut out and blazed and to have good durable posts well made and firmly planted. Stone mounds were made around the posts whenever possible. Bearing trees were marked B T and the bearing and distance from the posts marked in the field notes.

Observations on Polarix were taken whenever possible, and these are noted in their proper places in the field notes. Great difficulty was experienced during the latter part of the survey in getting observations on account of the unusual amount of smoke in the atmosphere.

TIMBER.

There is a very large amount of valuable timber within the limits of the survey. There are some large burnt areas resulting from fires which apparently swept the country about twelve or fifteen years ago, but taken as a whole the country is largely a virgin forest. On the timber plan which accompanies this report I have shown approximately where these burnt areas are, but on account of the distance between the lines run it is not possible to make any estimate as to their exact extent.

The first meridian for the first four miles runs through a brulé, about forty years old, the timber consisting mostly of poplar and birch up to eight inches

diameter. From the fourth to the ninth mile the lines run through a forest of spruce, birch, balsam, etc., with white pine scattered throughout. Near the sixth mile the pine is quite thick. From the ninth to the tenth mile there is a *brulé* with no timber of any value. From the tenth to the sixteenth mile the timber is of good quality, spruce, balsam, and jack pine predominating, although there is a large amount of white pine throughout. There is also considerable birch and maple. From the sixteenth to the twenty-fourth mile the line runs through a *brulé* of very large extent. This *brulé* extends as far as can be seen from the hill tops and runs at least five miles to the east, and a considerable distance west, and an immense amount of timber has been destroyed. From the twenty-fourth to the thirtieth mile the timber is mostly green with a couple of smaller areas of *brulé*, spruce, balsam, birch, etc., being plentiful, with a considerable amount of white pine scattered throughout.

The first base line, east of the first meridian line, this line runs through continuous green timber, spruce, balsam, birch, etc., are the prevailing varieties, and the white pine is of enormous value. On this line white pine of good quality is nearly always to be seen and appears to extend for a long distance both north and south of the line. This is the best timber area encountered during the season. West of the first meridian the line runs through a forest of spruce, birch, balsam, cedar, etc., with considerable white pine throughout as far as the eleventh mile. Here a small area of *brulé* is crossed and then green timber continues as far as the end of the line. From the eleventh mile west there is not so much pine visible from the line, but more hardwood is seen than on any of the other lines. There is some very good pine between the seventeenth and the twenty-first miles, but from the twenty-first to the twenty-fourth mile the line runs through a series of hardwood ridges. The timber on these ridges is maple and yellow birch, but the quality is poor.

The second base line. East of the first meridian the line runs through a green area with spruce, balsam and jack pine predominating. There is considerable white pine scattered throughout, but the white pine is not so plentiful as on the lines further south. The best white pine occurs between the tenth and twelfth miles. Two areas of *brulé* are crossed on this line, one starts one and a half miles east of the first meridian and runs east to the third mile. The other commences near the eighth mile post and extends east a mile and a half. There is no timber of value on these areas. West of the first meridian the line runs through spruce, balsam, birch and jack pine, with some scattered white pine as far as a large lake at the second mile. West of this lake an area of *brulé* is entered, which extends to the seventh mile. From this point as far west as Ontario Land Surveyor Speight's meridian the line runs in green spruce, birch, balsam and jack pine with white pine scattered throughout, with the exception of an area of *brulé* which is crossed near the nineteenth mile. The white pine is most noticeable west of a small lake at the fifteenth mile and again near the twenty-third mile. Taken as a whole this line runs through more spruce and jack pine and less white pine than the first base line.

Second meridian line. This line runs through green timber throughout its entire length, except for a small area of *brulé* near the nineteenth mile. From the first to the sixth mile the line runs through spruce, birch and jack pine, with an occasional white pine. From the sixth to the eighteenth miles the white pine increases, in some places being quite plentiful. From the eighteenth mile to the end of the line there are more hardwood ridges with spruce and balsam in the valleys, but not much white pine.

As to the sections of the country lying in between the lines I am unable to say much, but I am convinced that what I saw from the lines is a very fair average of the whole. My packers were continually travelling across country away from the line and what they say confirms me in this belief. They report a very considerable area of white pine between the first and second meridian about opposite the twenty-third mile on the first meridian. They also report splendid pine along the Aubinadong Rivers north of the first base line.

GEOLOGICAL AND PHYSICAL.

The country as a whole is very rough and in some places mountainous, the rocks being mostly granite and gneiss of the Laurentian age. The southern part of the country is the roughest, as the hills and rock ridges are higher, but along the second base line the ground is very much broken, although the hills are not so high. In the northern part of the country there are more gravel and boulder ridges than in the southern part. The Aubinadong River occupies a deep valley with rough rocky cliffs visible in every direction.

There is no agricultural land worth considering. Where the country is not broken with rock or boulder ridges the land is either sandy or stony, and in most of the valleys are the muskegs typical of this part of the country.

There are numerous small lakes, but few of any size. The largest is crossed by the second base line at the second and third mile. This lake extends about five miles to the north and forms the headwaters of the west branch of the Aubinadong river. There are also two or three lakes of two or three miles long on the Goulais River and its branches.

The territory included within the limits of the survey is drained by the waters of the Aubinadong River or west branch of the Mississaga River and its tributaries and by the Goulais River. A comparatively small area in the southern portion is drained by the Garden River, while a small area in the northwest corner goes to Lake Superior by way of the Batchewaung River. These streams, while of considerable size, are all very rough and very difficult to travel on account of the long portages and many rapids. The lakes are mostly small and isolated and there are very few canoe routes that can be used, and the question of transportation is one of very great difficulty. The larger lakes at the head waters of the rivers will be useful for reservoir purposes when the question of driving timber down these streams is considered. I may say, however, that all the streams within the limits of the survey will require very extensive improvements before it will be possible to use them for driving timber. There is one considerable fall on the west branch of the Aubinadong River, near mile nineteen on the first meridian line which would be useful for water power purposes. There are no large water powers, however, on any of these streams, as there is not the volume of water in any of them to make a large power, and the falls, while numerous, are more of the nature of continuous rapids, which would require a large expenditure of money in order to utilize the fall.

The magnetic variation was fairly constant at an average of three degrees forty minutes west.

FISH AND GAME.

Moose and red deer are in great abundance. Wolves are also very numerous and could be heard howling almost every night. Very few signs of beaver were

seen, and other furbearing animals are not plentiful. Partridge and rabbit have almost disappeared as very few were seen.

In the streams and lakes at the head waters of the Goulais and the west branch of the Aubinadong Rivers are to be found an abundance of speckled trout of very good size. Gray trout are also found in some of these lakes. The Aubinadong River itself contains pike.

Accompanying this report are field notes and plans of the survey, also my account in triplicate.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) JAMES S. DOBIE,

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 21.

TOWNSHIP OF SANKEY, DISTRICT OF ALGOMA.

GUELPH, ONT., January 26th, 1909.

SIR,—I have the honour to submit the following report on the survey of the township of Sankey, in the district of Algoma, made in accordance with instructions from your department dated May twenty-ninth, nineteen hundred and eight.

This township lies north of the township of Eilber surveyed by me in nineteen hundred and seven and is traversed from south to north by the Missanabie River which enters it between lots twenty-six and twenty-seven, concession one, and leaves it by two branches separated by Skunk Island between lots eighteen and twenty, concession twelve.

The river has an average width of about ten chains, but as a rule is not of great depth and in many places the channel is strewn with boulders. It is also broken by a number of rapids, the principal ones being "Black Feather Rapids," in lot twenty-six, concession three, and "Kettle Rapids," in lots twenty and twenty-one, concessions seven and eight, the former having a length of twelve hundred feet and a descent of about twelve feet, in the latter the fall is also about twelve feet. Between these two rapids there are several small rapids which makes canoeing in this part of the river somewhat difficult.

The south and west boundaries of the township were run by Ontario Land Surveyor Speight in nineteen hundred and six and the north boundary by him in nineteen hundred and seven. The east boundary was run by me at the time of making the subdivision.

The township is nine miles square and was surveyed under the new system approved by Order in Council, April twenty-fourth, nineteen hundred and six.

As required under this system a road allowance fifty links wide has been left on each side of the outlines and a road allowance one chain wide between alternate

concessions and a side road allowance of the same width between lots six and seven, twelve and thirteen, eighteen and nineteen and twenty-four and twenty-five across the township. The concession lines were run due east and west and the side lines due north and south.

The survey lines were run in the centres of the road allowances. The lots are marked on the ground by wooden posts planted at the front angles along the concession lines, the frontage width of the lots being twenty-five chains and twenty-five links and the depth of the lots fifty-nine chains and fifty links or as near those dimensions as possible.

At each lot line three posts were planted, one being planted on the survey line, one on the south side of the road allowance and one on the north side. The centre post was marked with the numbers of the lots on the east and west sides and with the letter "R" on the north and south sides. The posts on the sides of the road allowance were marked with the lot numbers on the east and west sides and with the number of the concession on the south or north side, according to the position of the post, and with the letter "R" on the side facing the road allowance.

At side roads a post marked "R" on four sides was planted at the intersection of the survey lines and a post on each of the four lot corners and marked with the number of the lot and concession.

On the township boundaries posts were planted on the centre line and on the side of the road allowance within the township.

An iron post one and one-quarter inches in diameter was placed beside the wooden post in the centre of the road allowance at each of the following points:— On the south boundary between lots twelve and thirteen, on the line between concessions six and seven at the east boundary and at the line between lots twelve and thirteen and at the west boundary, and on the north boundary at the line between lots twelve and thirteen. These posts were marked "R" on four sides and with the numbers of the adjacent lots on the east and west sides and the concession numbers on the north and south sides. The one and seven-eighth inch iron posts at the corners of the township are marked "Sankey" on the side facing the township.

The surface of this township is undulating and is well drained by the Mis-sanabie River and the creeks flowing into it.

The soil is mostly clay or clay loam, but to the east of the river there are a few sandy hills. In the swamps the clay is overlaid with from one to two feet of black muck covered with a thick growth of moss.

About one-third of the township had been burnt over a number of years ago. This burnt land is chiefly in the northeast corner of the township. On the low land the dead trees are still standing, but where the land is dry much of the timber has fallen and in a few places the land has been burnt almost clean. A young growth of spruce and poplar is springing up.

In the remainder of the township the timber is chiefly spruce, mixed in places with poplar, balsam, tamarac and white birch. [The diameter of the trees in some localities runs up to about eighteen inches, but much of the timber is of young growth and is about six or eight inches in diameter.]

A few rock exposures and some pieces of stony ground were seen, but these were not of large area, and as a whole this will be a fairly good agricultural township with only a small percentage of waste land.

Accompanying this report are the field notes of the survey, a map of the township and a timber plan.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) JAMES HUTCHEON.

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 22.

TOWNSHIP OF FLECK, DISTRICT OF ALGOMA.

GUELPH, ONT., December 30th, 1908.

SIR,—I have the honour to submit the following report on the survey of the township of Fleck in the District of Algoma, made in accordance with instructions from your Department dated the 29th day of May, 1908.

This township lies east of the township of Sankey and north of McCowan, and is reached by way of the Missanabie River canoe route from Missanabie Station on the Canadian Pacific Railway and portaging eastward through the township of Sankey.

This township is nine miles square and is sub-divided under the system approved by Order in Council dated April 26th, 1906.

The south boundary of the township was run by Ontario Land Surveyor Speight in 1906. The east, west and north boundaries were run by me this year. The west boundary was run due north from the post planted by Ontario Land Surveyor Speight on his base line to mark the intersection of the boundary between the townships of Eilber and McCowan, to intersect the base line run by Ontario Land Surveyor Speight in 1907 as the north boundary of the township of Sankey, which it intersected at a distance of three chains and ten links west of his nine mile post.

The north boundary was run eastward as the chord of a parallel of latitude from this point of intersection and the east boundary was run due north from Ontario Land Surveyor Speight's post at the northeast corner of the township of McCowan to intersect this north boundary.

As required under this system of survey a road allowance of fifty links has been left on each side of the outlines and a road allowance of one chain in width between concessions two and three, four and five, six and seven, eight and nine, ten and eleven, and also a road allowance of the same width between lots six and seven, twelve and thirteen, eighteen and nineteen and twenty-four and twenty-five across the township.

The side lines were run due north and south and the concession lines due east and west, the line of survey in each case being in the centre of the road allowance.

On the concession lines posts of the most durable wood obtainable were planted to mark the corners of the lots, a post being planted in each case on the line of survey and marked with the lot numbers on the east and west sides, and with the letter "R" on the north and south sides.

The posts at the lot corners were planted fifty links north and south of these posts and were marked with the numbers of the lots on the east and west sides, and with the numbers of the concession to which they refer on the north and south side, and with the letter "R" on the side next to the road allowance.

At the side roads a post was planted at the intersection of the survey lines marked "R" on each of its four sides and a post was also planted on each of the lot corners and was marked with the number of the lot on the east or west side and the number of the concession on the north or south side, according to the corner on which it was placed, and with the letter "R" on the two remaining sides.

The iron posts planted at the southeast and southwest corners of the township were marked "Fleck" on the side facing the township. An iron post one and three-quarters inches in diameter was planted beside the wooden post at the northwest corner of the township and marked "Fleck" on the southeast side and "Sankey" on the southwest side.

An iron post one and three-quarter inches in diameter was also planted beside the wooden post at the northeast corner of the township and marked "Fleck" on the southwest side. Iron posts one and one-quarter inches in diameter were planted beside the wooden posts at the following points:—On the centre line of the south boundary at the intersection with the centre of the side road between lots twelve and thirteen; on the centre line of the road between concessions six and seven at its intersection with the line on the east boundary, and at its intersection with the centre line of the side road between lots twelve and thirteen, and at its intersection with the centre line of the west boundary. Also at the intersection of the centre line between lots twelve and thirteen with the centre line on the north boundary. These posts were marked "R" on four sides, with the number of the concession on the north or south sides, and the lot numbers on the east and west.

The surface of this township is comparatively level excepting in the southeast and northeast corners, where the land is rolling and broken by a few rocky hills.

An area of about ten thousand acres in the northwestern part of the township had been burnt over some years ago, and in the northeast corner some six thousand acres had also been burnt.

Where the land is low the timber in these burnt areas is still standing, but on the dry land it is mostly fallen and a young growth of poplar and spruce is springing up.

The central and southern portions of the township are timbered with spruce and poplar with some white birch, tamarac and balsam.

There is scattered throughout the township a considerable amount of good timber of fair size, the best being in the southeast corner, but in many places the trees are of young growth.

The soil is chiefly clay and in the swamps the clay is overlaid with a foot or more of black muck and a thick growth of moss.

In the northeast corner there is some light sandy land.

The principal stream in the township is a creek which enters at lot twenty on the south boundary and flowing north leaves the township at lot nineteen. This

stream is upwards of a chain in width but for the greater part of the distance flows with a very slow current.

There is not much game in the township, a few moose were seen but no red deer. Traces of beaver were found in the remote parts.

Accompanying this report are the field notes of the survey, a map of the township and a timber plan, all of which I trust will be found satisfactory.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) JAMES HUTCHEON,

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 23.

TOWNSHIP OF MORSON, DISTRICT OF RAINY RIVER.

BOWMANVILLE, ONT., February 9th, 1909.

SIR,—I have the honour to submit my report on the township of Morson survey.

In many parts are tracts of good farming land, particularly in the south and northwest portions, with stretches of sandy beach bordering the shore, suitable for summer resorts which the township plan will more particularly indicate.

To develop this township a good waggon road should be constructed from Bergland post office through the township of McCrosson and Tovell to a point near the mouth of the Big Grassy River in Morson and about the entrance to Lake Eleanor.

At this point Mr. Niverson, representing sixty families from Minnesota and John Everett, an explorer from Rainy River, visited my camp and informed me that they had selected the land they wished to settle on near Lake Eleanor.

December twentieth, nineteen hundred and eight, a carload of provisions, implements and three span of horses came to Rainy River, and shortly afterward the same settlers returned to Red River for three carloads more, preparing to occupy lands indicated. John Everett confidently predicts that every foot of farming land in the township will be taken up within a year. These intending settlers are Norwegians, Danes, and Swedes, and they are most anxious to ascertain when they can file at the Land Office for their homesteads.

The Scandinavian Publishing Company of Winnipeg, wrote me inquiring when the township of Morson would be surveyed, as their people desire to take up land there, and I replied on receipt of letter.

The settlers or squatters now in the township who have made improvements are Danes, Norwegians, French and one Englishman (Oscar Langlais) on lot seventeen in the first concession. He has twenty acres cleared with a comfortable home, outhouses and garden, and has continuously occupied this location for the

past eight years and is a splendid producer. My men and myself observed in the garden and ate as fine potatoes, onions, tomatoes, corn and carrots as could be grown anywhere, musk and watermelons, and smoked tobacco cultivated on his location.

All cleared lands not under the plough are covered with wild strawberry vines, wild vetches, and in places wild plum trees. The natural growth of the forest is prodigious in poplar, spruce, tamarac, jack pine, Norway pine and cedar, and in a few places some good white pine, all of which timber is being rapidly taken off the ground by the lumbermen. The soil consists of a white clay loam covered with vegetable mould and producing the thickest growth underbrush, hazel, etc., possible to exist outside of the tropics.

Wishing to inform the Department that Mr. Oscar Langlais said a lumberman had taken the iron post previously planted at the southwest corner of Morson and the iron post planted by me has also been taken, the first being used for a sleigh stake, and it is more than likely that the last one has been removed by the same teamster.

On my way home from Bergland over the Colonization Road, may say, it is almost valueless as a summer road, although cut out and corduroyed in the centre, it requires side ditching and the material taken out and placed on the corduroy sufficiently high to raise it above the low land which it is built through, as in many places it is only fit for pedestrians, and even they are compelled to wade knee deep in low wet swamp and it is impassable for horses or wagons in summer.

My conclusions are that the land suitable for farming in this township situated on the Lake of the Woods is most congenial to the habits of the settlers now there and those coming, they are an industrious and plodding people with money, stock and farm implements, who will make good subjects and understand thoroughly mixed farming, thereby making a valuable class for the advancement and development of this section of the country.

Good peat bogs exist in the southeast portion and the general formation is Laurentian rock carrying in places iron pyrites but valueless.

The most important question for consideration is the height of water in the Lake of the Woods, which evolved friction between Canada and the United States in eighteen hundred and eighty-nine, owing to an overflow of said water in Minnesota, and stopping Ross, Hall & Brown's mill in Kenora. This matter was called to the attention of the Dominion Government, who instructed me to locate a suitable point on the Winnipeg River for the erection of a dam to regulate the height of water in the Lake of the Woods to its normal condition and remove all obstructions to that end, etc.

The high water has transformed the Big Grassy River into a navigable stream for steamers, thereby increasing it to three-quarters of a mile in places, making islands which were formerly part of the main land during normal level and submerging land suitable for farming, grazing and hay crops.

A sunken dam existed and now exists which is the main cause for such conditions. When the Keewatin Power Company and lumbermen became aware of the intentions of the Dominion Government they purchased the site chosen for the dam and obtained copies of the plans prepared by me and erected the dam, ostensibly for power purposes and to regulate the waters in the Lake of the Woods. The high water continues, although commissioners from the United States Government have visited the new power dam and returned evidently satisfied that no obstruction existed, thus the water is kept at an abnormal level and in the spring is two feet and a half higher, causing the submergence of the hay meadows border-

ing on the Lake of the Woods, and low lands in Morson and at the mouth of the Rainy River, causing continual changes in the vessel channel between Kenora and Rainy River by causing Sable Island (commonly known as the Sand Banks) to be washed away by new currents and filling up the main channel at its mouth. This can be overcome only by building from properly designed plans, cribwork where the channel requires dredging, lowering the waters in the Lake of the Woods four feet, removing the sunken dam and compelling the Keewatin Power Company to keep it at its normal level.

The iron posts in the township of Morson, district of Rainy River, have placed them according to instructions, dated the twenty-eighth day of April, nineteen hundred and eight, as follows:—

At the south-west angle of the township of Morson, at the intersection of the forty-ninth parallel of latitude, with the shore of the Lake of the Woods, I have marked with a cold chisel "Morson" on the north-east side, "Con. 1" on the north side, and "number 17" on the east side.

On the post on the south-east angle of the township of Morson, I have marked with a cold chisel "Morson" on the north-west side, "Con. 1" on the north side and "1" on the west side.

Alongside of the wooden post on the east boundary, where it intersects the shore of Lake of the Woods, I have planted an iron tube, and marked this with a cold chisel "Con. IX." on the south side, "Lot 1" on the west side and "Morson."

I have the honour to be,

Sir,

Your obedient servant,

(Signed) WILLIAM MURDOCH,

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 24.

TOWNSHIP OF UMBACH, DISTRICT OF RAINY RIVER.

PRESCOTT, ONTARIO, April 20th, 1909.

SIR,—I have the honour to submit the following report on the survey of the township of Umbach, situated some fifteen miles north-west of Kenora. My instructions were dated the twenty-eighth of May, nineteen hundred and eight, and I received them a few days later, and on the following twenty-fifth of June, I visited the neighbourhood and found the country so wet that I decided to postpone the said survey until later in the season. I returned to Kenora the latter part of October, and I had all my provisions transported by water and cached before the river and lakes were frozen. Active operations were begun at the south-west corner of the township on Monday, the second of November last, and an observation having been previously taken on the eastern elongation of polaris, the meridian line

was started north and one mile run. This meridian line forming the west boundary of the township was first run and the concession lines were turned therefrom and run eastward.

On account of all the concession lines having been run eastward it was thought advisable and proper to make the even numbered lots the exact forty chains, and any deficiency or surplus thrown into the odd numbered lots.

The concession line between concessions one and two was used as the base line from which to turn the angles for the sides lines running north and south.

All the traverse work was done on the ice and no triangulations made excepting the first few days at the beginning of the work.

IRON POSTS.

An iron tube post, one and seven-eighth inches in diameter, was planted by me at the north-west angle of the township and marked "lot XVI." on the east side, "Umbach" on the south-east side and "Con. VI." on the south side, and also at the north-east angle of township, or more particularly where the north boundary of the township intersects the waters of Winnipeg River immediately west of Indian Reserve No. 38 C., and was marked lot "1" on the west side, "Umbach" on the south-west side and "Con. VI." on the south side. Also the one found at the south-west corner of the township was marked by me "Con. I" on the north side, "Umbach on the north-east side and "lot XVI." on the east side.

Smaller iron posts one and one-quarter inches in diameter were planted:—

1. At the south boundary of the township on the line between lots six and seven and marked "lot VI." on the east side, "Lot VII." on the west side, and "Con. 1" on the north side.

2. At the intersection of the lines between lots six and seven and concessions three and four and marked "lot III." on the east side, "lot IV." on the west side, "Con. III." on the south side and "Con. IV." on the north side.

3. At the north boundary of the township between lots six and seven, and marked "lot III." on the east side, "lot IV." on the west side, and "Con. VI." on the south side.

At the west boundary of the township between concessions three and four, and marked "lot XVI." on the east side, "Con. III." on the south side, and "Con. IV." on the north side.

5. At the eastern extremity of said line between concessions three and four and marked "lot 1" on the west side, "Con. III." on the east side, and "Con. IV." on the north side.

Thus for the permanency of the survey five small and two large iron tube posts were planted in addition to the one found and marked, at the south-west corner of township, which post also marks the north-west corner of the township of Pellatt.

This township is very rocky, broken and hilly, with numerous lakes and small streams of good water.

There are a few sections of good agricultural land along the south and west boundaries, and already there are a number of lots taken.

ISLANDS.

The islands are all rough and rocky, covered with spruce and balsam, and are useless for anything excepting the timber that is on them, and even that has been all cut off south and east of "the narrows" in lot three, concession four.

Camp Island is the only island that has considerable good soil on it, moreover, the timber is still good and is mostly flat. No mineral bearing rocks were observed.

MAGNETIC VARIATION.

At the south-west corner of the township the magnetic declination was eight degrees fifty minutes east, and near the north-east corner it was eight degrees twenty minutes east.

Thus the mean is eight degrees thirty-five minutes east.

TIMBER.

As regards the timber on this township, I may say that it consists principally of jack pine four inches to ten inches, and spruce three inches to eight inches, together with balsam and poplar four inches to twelve inches. Owing to the proximity of this township to the mills of Kenora and Keewatin, and the convenience of water transportation, most of the merchantable timber has been cut, but there are still some small sections remaining, but are somewhat difficult of access and separated by distances. Fire has destroyed nearly all the timber in the north-western portion of the township, and only in small clumps is any to be found. On the north and west boundaries solid hubs with tacks were used and left to mark the lines.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) T. D. GREEN,

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 25.

REPORT OF THE SURVEY OF UPPER AND LOWER ABITIBI LAKES, IN THE DISTRICT OF NIPISSING.

TORONTO, 15th June, 1909.

SIR,—We have the honour to submit the following report on the survey of the shore lines of Upper and Lower Abitibi Lakes, and the islands therein, within the Province of Ontario, in accordance with instructions from your Department, dated 1st February, 1908:

The work was divided into two parts, the surveys in Lower Abitibi Lake being made in the early part of 1908 and those in the Upper Lake in the early part of 1909.

Preparations for the work were made upon the receipt of the instructions and we proceeded on 17th February, by rail to McDougall's Chute—since called Matheson—and thence by freight teams over a fair winter road about 25 miles in length, to the south-west part of Lower Abitibi Lake.

The survey of the Lower Lake was commenced at Long Point Portage and continued around the lower end of the lake, closing eventually at the same point, the traverse of those parts of the shore forming the boundaries of townships already laid out, being omitted according to instructions. By this time—3rd April, 1908—indications of an early breaking up of the winter were apparent and in order to avoid the increased expenditure which broken weather would entail, the work was discontinued until the following winter.

On 14th January, 1909, we again set out for Lake Abitibi and resumed the work by connecting with the previous survey at the Narrows. The Upper Lake and its islands were traversed in a similar manner, the north shore being followed eastward to the inter-provincial boundary, and the south shore from that boundary westward to the west end of the Upper Lake and thence northward to the Narrows, which was reached on 23rd March. All previously established survey points and lines which could be found were connected with our traverse survey, as were also such mining claims and discoveries—both on mainland and islands—as could be seen. In many instances the writing on discovery posts and trees was obliterated or illegible and therefore could not be noted.

When traversing the shores of the lakes, trees were marked at prominent points along the shores at intervals of one mile or thereabouts, the description and position of these trees being indicated upon the accompanying plans and field notes. Trees for such purposes were selected for their durability and prominence. Along the south shore of the Upper Lake the intervals between the trees marked were shortened to one-half mile or thereabouts, in order to facilitate future connections there within that rugged and broken tract. All trees so marked are numbered 1A, 2A, etc. Iron posts (tubes) 1½ inches in diameter were planted at points 12A and 39A. The last named point was previously established by O.L.S. T. B. Speight's micrometer survey in 1900. A large wooden post surrounded by a substantial cairn, was planted at 124A on the north-west part of Lightning Point, in the Upper Lake survey, for lack of the iron post which had been abstracted from our cache sometime during the interim between surveys. The survey was also connected with the flag pole at the Hudson's Bay Company's Post, on the Quebec part of the Lake, the iron post planted on the micrometer survey of 1900 not being found.

All islands were located and those of sufficient size to require it were traversed. Such islands as had already been surveyed and their records filed as mining claims, were given their recorded designations and all others were numbered consecutively from No. 1 with the affix "SV" in accordance with instructions. The islands previously surveyed were confined to the Lower Lake as no surveyed islands were found in the Upper Lake. Where possible the designations of islands were marked on trees thereon, and in the cases of the larger islands a number of trees were marked at prominent points. These trees were selected also for their durability and prominence, the description and position of each being shown on the plans and field notes.

Owing to the extremely low water in these lakes during the winter season as compared with the summer, it is probable that a number of the smaller islands of the Lower Lake will not be visible at ordinary or high water, but it was thought advisable to locate them so that in the event of the discovery of valuable mineral a further survey would be unnecessary. A further reason is that the location of hidden rocks and reefs is of service for navigation. The noting and numbering of these rocks and reefs applies more particularly to the Lower Lake, as in the survey of the Upper Lake only such islands as were of sufficient elevation to admit of

vegetation were given numbers, and those which at ordinary high water level are water-washed, are shewn as "rock" or "reef" and were not given numbers.

Detailed descriptions and areas of all numbered islands are given in the field notes. The depth of snow prevented our gaining any considerable amount of information regarding the soil and geological features.

About 250 islands were found and classed as such in the Lower Lake, and these varied in size from a few square yards up to 943 acres in extent, the largest being that at the outlet of the "Narrows," the survey of which involved about 13 miles of traverse line. Of these islands only 229 were given new numbers, the remainder being included by recorded mining claims.

In the Upper Lake 488 islands were noted and numbered, besides which a considerable number of rocks and reefs were noted, but not numbered. This number is, of course, exclusive of the islands lying to the east of the interprovincial boundary.

GENERAL FEATURES.

The country in the vicinity of the Lower Lake is mainly the clay soil of that region with, in places, outcroppings of rock and occasional tracts of sandy soil, noticeably at Long Point.

On the Upper Lake the conditions are similar, except along the south shore which is rugged and rocky, due to a range of mountains inshore running in a general east and west direction. A considerable amount of rock was noticed on the islands, which present an appearance similar to those of the Muskoka Lakes, but are less rugged.

TIMBER.

The timber is, as a rule, not large, and embraces spruce, poplar, white birch, Balm of Gilead, red pine, tamarac, Banksian pine, cedar and ash, in about the above order as regards predominance. On Long Point there is a considerable quantity of merchantable red pine, and on the south shore of the Lower Lake and near its outlet there is a fair quantity of spruce, poplar and red pine. A well-equipped saw-mill was in operation near the mouth of the Abitibi River, and its output was in demand for the construction of steamboats and barges for local navigation, as well as the requirements of railway contractors, settlers and residents in the vicinity.

WATER.

From our previous knowledge of these lakes we are able to report that their general shallowness will always render navigation somewhat precarious, and thus tend to reduce their desirability as a summer resort. In summer the general clay character of the surrounding country imparts a very muddy appearance, but this is not so noticeable in winter. The small lake on the "Long Point" portage, being in a sandy tract, has deliciously clear cold water at all times.

Low Bush River, with its tributary Circle River, Dokis River, Forks River and Aylene River, are the only streams of note emptying into the Lower Lake. Flowing into the Upper Lake are Ghost, Lightning and Mattawasagi Rivers from the south, and Swampy, Rabbit, Gooseberry, Okikodasik and Saugeen from the north.

MINERALS.

A considerable amount of prospecting for gold has been done on the mainland and islands of the Lower Lake and development work has been done at, at least, two points Moshier's Island and South Bay, each having a well-equipped mining camp.

In the Upper Lake we saw many discoveries marked on the islands, and development work had been done at one point on the south shore, about 1 mile east of the Lightning Point portage, with what results we were unable to learn.

SETTLEMENT.

Apart from the abandoned Hudson's Bay Company's post at the "Narrows," "Biedermans," an Indian home on McDougall's point, and another at Ghost River, the saw-mill at Abitibi River, and a few scattered huts erected by Indians and hunters, there cannot be said to be any actual attempt at settlement in the Ontario part of Abitibi. Settlers have, however, located for a considerable distance along the road from Matheson.

ACCESSIBILITY.

The old time route from Mattawa, via the Upper Ottawa waters, is now mainly superceded in winter by the Temiskaming and Northern Ontario Railway to Matheson, and thence by team road to the outlet of the Lower Lake, and in summer by navigation via the Black and Abitibi Rivers for Matheson, the two main breaks—at Twin Falls and Couchiching Falls, respectively—having been tramwayed by the railway contractors. When the National Transcontinental Railway has been completed, access to the Lower Lake will be had, with only short connecting roads, both at North-west Bay and North-east Bay, and the Upper Lake will be similarly served via Okikodasik Bay in Ontario, and Whitefish Bay in Quebec. The Lake itself is, however, unfavourable for navigation in summer, owing to its great expanse and unusual shallowness, instances of travellers being windbound for days being numerous. Winter travel on the ice with horses is rendered extremely difficult by the ever present "slush." Efforts have been made to overcome this by using snow ploughs, but with indifferent success. The ploughed tracts fill with the constantly drifting snow, in a short time elevating the roadway so that the sleighs cannot be kept upon it.

GENERAL REMARKS.

The advent of the Temiskaming and Northern Ontario and, in the near future, the National Transcontinental Railway, will do much to promote the development of the agricultural and mineral resources of the Abitibi country, and it will, in our opinion, soon be a large item in the assets of the Province.

Accompanying this report are:

LOWER LAKE:

- (a) A plan on mounted paper in 12 sections, scale 20 chains to an inch.
- (b) An index plan on mounted paper, scale 80 chains.
- (c) A tracing of the first named—in two sheets—shewing the traverse lines, with bearings and distances, also reference trees, etc.
- (d) Field notes with full details of all islands and shore line surveyed.

UPPER LAKE:

- (e) A plan on mounted paper in 8 sections, scale 20 chains to an inch.
- (f) An index plan on mounted paper, scale 60 chains to an inch.
- (g) Field notes with full details of all islands and shore line surveyed.

We have the honour to be,

Sir,

Your obedient servants,
(Sgd.) SPEIGHT & VANNOSTRAND,
Ontario Land Surveyors.

ALGONQUIN PARK.*Appendix No. 26.*

ALGONQUIN PARK P.O., December 31st, 1909.

To the Honourable, The Minister of Lands, Forests and Mines.

HONOURABLE SIR,—I beg to hand you my tenth annual report on the Algonquin National Park of Ontario, being for the year 1909.

The Park staff during the past year has been composed of fifteen rangers and the superintendent. Their work has largely been patrolling the park to see that no illegal trapping was going on. This, during the open season, is largely done by canoe, during the winter months on snowshoes. My men travel two together, and each two men have a certain section allotted to them. In addition to patrolling this section, they keep the numerous portages between the lakes cut out and improved, as they also do as far as possible the streams. The size or area of the sections is determined by the ease with which they can be travelled, hence those with long stretches of good canoeing and free portages are larger than those that have less water and require more travelling on foot. My men also make several bark canoes, sleds, etc., for use on their sections, and put in ice and cut the necessary wood at headquarters, besides making required improvements there.

Each season some new shelter houses are built. For this purpose, four rangers work together. The shelter houses erected are good substantial buildings of sided or hewn logs. They have good roofs, windows, etc., and are fitted with a cooking stove, table and benches. Of these, five have been built during the past year. During the summer months the first and most important duty of my men is to prevent fire, and so well has this part of the work been performed, that I am glad to report, we had no bad fires, though several were started, mostly by locomotives on the line of railway. They were speedily gotten under control.

There has been a marked improvement at headquarters during the past year. The Grand Trunk Railway have built a very pretty station and erected a fine hotel. They have also erected a water tank, the largest on their system, and from this water is supplied to our headquarters. The Department having furnished us with hose, we have now good fire protection for the buildings.

Wild celery has been planted and sown in several of our lakes and streams with a view to encourage wild ducks to remain with us. Of these we have a great

many, but owing to the scarcity of feed not as many as we would have had we rice beds and wild celery.

Game of all kinds has increased very perceptibly, especially beaver and otter. Of the latter, last week the agent of one of our lumber firms reported seeing eighteen in one day's travel, while the beaver are to be found in large healthy colonies wherever there is even a drain or ditch; they have in fact become so numerous that in a year or two, should the Government so decide, the Park could easily be made self-supporting, as the annual increase of beaver now must be very large indeed. Of course, they do not confine themselves to the Park, but are to be found in large numbers in the adjoining townships, where a few years ago none were seen. Deer have also increased to a marked extent, and are very tame, so much so that they can be seen in numbers by visitors to the Park. They, too, spread out on all sides and keep the surrounding country well stocked.

Wolves, notwithstanding the fact that we kill a great number each year, continue to destroy the deer. Last season our men brought in thirty-five, a large percentage of which were females. No doubt many were also killed that were not found. Owing to the ease with which they can procure deer, we find it difficult to get them to take poison.

We have made some arrests during the past year, but I am glad to report that each year there is less trapping. This I attribute to three causes; first, the thorough work of our men; secondly, the increased co-operation of the limit holders; and, thirdly, the growing feeling in favour of the Algonquin National Park. People are beginning to see results, and trappers are finding that the game outside is being kept up by the supply from the Park.

We have had a great many visitors to the Park during the past year, and some very fine fish were taken, especially some large small-mouthed black bass. These were introduced some years ago and have certainly been a great success.

Several of the capercailzie introduced some years ago from Norway were seen during the past year, and one good photograph secured, showing beyond doubt that they are going to succeed. They are very shy birds and, therefore, are not seen frequently.

Partridge were more numerous this year than I have ever seen them before.

It was particularly gratifying to see so many representatives of the Government at the Park this year. It makes your staff feel that an interest is being taken in this great national Park, and acts as a stimulus to greater exertion on their part. The people of our own Province, too, have taken a much greater interest in us and our work. One thing has been very marked this year, the fact that fishing was not the only inducement, the rod often being forgotten in the delight of seeing the wild life, and the camera very often took the place of the rod and line.

I have the honour to be,

Sir,

Yours very respectfully,

G. W. BARTLETT,

Superintendent.

RONDEAU PARK.

Appendix No. 27.

MORPETH P.O., January 6th, 1910.

To the Honourable, the Minister of Lands, Forests and Mines.

SIR,—I have the honour to submit this my report for the year 1909. Considerable work has been done towards improving the appearance of the Park this season; cutting the lower and dead limbs off the trees along both sides of the driveway leading into the Park, and in numerous places on the picnic ground; also cutting and pulling down the entangled masses of wild grape and other climbing vines, that have in the past covered over a good many trees with foliage so dense that they could not live. Although some of these clusters of vines were beautiful to look at, it was considered advisable to remove them and save the trees. Also grubbing and cutting out the hazel and other bushes that were growing over portions of the picnic grounds and along the driveways, and the willow bushes along the shore of the Eau Front. This work was done at a cost of \$351.78.

The next work of importance was gravelling the Park Road in October from the town-line to the pavilion, a distance of about 1 3-8 miles, at a cost of about \$318.43. The road is now in better shape for winter and the coming season than it has ever been since it was built. It is becoming a favourite run for automobiles. Most people visiting the Park in their autos take a trip up the south road along the shore of Lake Erie to the second fishery, a distance of about six miles, and are usually delighted with the scenery in the forest; the deer and black squirrels, etc., along with the variety of timber and shrubbery make the trip most attractive. We are quite safe in saying that there are 150 deer running at large in the Park forest. In the enclosure at the picnic grounds, where the public can view them at any time, are some deer, black squirrels, wild geese and six different kinds of pheasants all in good condition.

There are about 30 summer cottages at the Park, and more campers than usual came to occupy them when the season opened (which was later than usual), and they continued to come, thus keeping the cottages full throughout the season. Mr. Arthur Orendorf deserves credit for the manner in which he conducted the refectory. Besides keeping a good stock of refreshments on hand at all times, he kept a fair stock of groceries, stationery and other useful articles. There were no complaints from the people.

The boat livery business is enlarging each year, chiefly on account of there being a good class of boats of various sizes and kinds kept in readiness and in good condition. Mr. Fred. Weir, who has this privilege leased from the Department from year to year, builds all his own boats—rowboats, sailboats, launches, etc.—and he intends to build a large launch that will safely carry from 75 to 80 passengers for this coming season.

With a little extra help we repaired the washout at the end of the high dock, also along the low part, so that it will wear for some time, but it is difficult to say how long, on account of there being so much fine washed sand around it. The square timber, lumber, hardware, extra help for grading, etc., amounted to about \$52.00. To make this dock fit for teaming loads over, it will be necessary to either lay plank on the sand approach, or cover it with clay and gravel.

I have good reason to believe that an electric railway will reach the Park within two years. The C. W. & L. E. Co. intend to extend their line to Blenheim this year, and when they continue the line farther east, I understand that it is their intention to run a spur down to the Park. Then I think it would be advisable for the Government to offer the railway company every reasonable facility to build a good large public house, that will be a credit to the Park. The necessity of a public house here is becoming more apparent every year, and this seems to me to be the most feasible way of getting one built.

I have the honour to be,

Sir,

Your obedient servant,

ISAAC GARDINER,

Caretaker and Ranger.

Appendix No. 28.

List of Persons holding Cullers' Licenses, issued under the Ontario Cullers' Act, up to 31st October, 1909.

Name.	P. O. Address.	Name.	P. O. Address.
Anderson, M. M.....	Almonte.	Brandin, Martin W.....	Peterborough.
Allan, James D.	Bracebridge.	Bell, John C.....	Peterborough.
Appleton, Erwin B.....	Bracebridge.	Bartlett, George W.....	Warren.
Albert, Andrew	Ottawa.	Brown, Silas.....	Klock's Mills.
Adams, J. Q.....	Longford Mills.	Boland, W. G.....	Eganville.
Anderson, Patrick J.....	Campbellford.	Baulke, George R.....	Aylmer, Que.
Anderson, J. C.....	Gravenhurst.	Bouchey, Arthur.....	Massey.
Allan, Alfred.....	Ottawa.	Buchanan, Mark.....	Trout Mills.
Allen, R. A.....	Bannockburn.	Barrett, W. J.....	Thessalon.
Aikens, Geo. M.....	French River.	Bromley, Thomas.....	Pembroke.
Appleby, Ridley.....	Katrine.	Bremner, John L.....	Admaston.
Adams, James M.....	Sault Ste. Marie.	Breen, Bernard.....	Garden River.
Aylward, James.....	Peterborough.	Buie, Dougal.....	Providence Bay.
Archibald, John L.....	Keewatin.	Baker, Thomas.....	Blind River.
Austin, Wm. G.....	Renfrew.	Blais, Felix.....	Hull, Que.
Anderson, Charles.....	Little Current.	Balsdon, George	Keewatin.
Anderson, John.....	Cartier.	Bromley, W. H.....	Pembroke.
Adair, Thomas Albert....	Gananoque.	Bowers, Isaac.....	Little Current.
Anderson, J. G.....	Alpena, Mich.	Brown, Thomas.....	Barrie.
Alexander, Samuel.....	Arden.	Bass, Walter R.....	W. Huntingdon.
Adams, Wm.....	Westmeath.	Bates, Robert.....	Kenora.
Arkle, George.....	Kenora.	Binnie, Thomas.....	Port Arthur.
Armstrong, Jas. Theodore.	McKellar.	Blair, William.....	Keewatin.
Armstrong, Thomas J....	Arnprior.	Bick, Thomas.....	Bobcaygeon.
Acheson, Ira M.....	Westmeath.	Burke, John Thomas....	Midland.
Albert, Alfred E.	Ottawa.	Buchan, Sterling.....	L'Original.
Alma, John E.....	Hawkesbury.	Brown, Joseph A.....	Spanish.
Adams, George A.....	Longford.	Baird, P. C.....	Rainy River.
Ansley, John Albert.....	Thessalon.	Brill, J. W.....	Mine Centre.
Ansley, John Jenkins....	Thessalon.	Beattie, Arthur W.....	Arnprior.
Ansley, Alexander.....	Spanish.	Brock, H. S.....	Ottawa.
Apleton, E. A.....	Kenora.	Benson, John Bird.....	Midland.
Arnell, William.....	Iron Bridge.	Brennan, Rich'd Lawrence	Peterborough.
Adams, Fred.....	L'Original.	Brown, Hugh Riside	Huntsville.
Alexander, R. Harvey....	Spragge.	Bryan, Frank.....	Keewatin.
Alexander, J. Albert....	Spragge.	Bennett, Edward Clinton.	Ahmie Harbor.
Ainslie, Donald McF.....	Whitestone.	Blaine, Harvie Thomas...	Orillia.
Ansley, William.....	Thessalon.	Barrett, Thomas.....	Barrie.
Brophy, Michael Patrick.	Massey Station.	Bickell, James Manuel....	Sault Ste. Marie.
Boland, Abraham.....	Cartier.	Buisson, William.....	Sudbury.
Brown, Singleton.....	Bracebridge.	Borrett, James A.....	Sault Ste. Marie.
Barry, Thomas James....	Hastings.	Bliss, C. Lidden	Sudbury.
Blanchet, Paul Fred'k. ...	Ottawa.	Bray, James.....	Kinmount.
Bird, W. S.....	Parry Sound.	Bremner, George.....	Arnprior.
Bayley, James T.....	Gravenhurst.	Bromley Samuel.....	Pembroke.
Bell, Henry.....	Ottawa.	Brown, A. C.....	Fitzroy Harbor.
Beach, Herbert Mahlon....	Ottawa.	Berlinquet, Julius	Opimicon, Que.
Barry, Thomas.....	Millbridge.	Blastorah, Fred L. J.....	Harwood.
Beatty, W. R.....	Parry Sound.	Burns, Clifton H.....	Little Current.
Brooks, Frederick Wm....	Mackay's Station.	Beaumont, Ernest.....	Parry Sound.
Brown, Robt. D.....	Port Sidney.	Beattie, Alex.....	Whitney.
Breed, Arthur G.....	Penetanguishene.	Brennan, Reginald	Gravenhurst..
Barnes, Thomas Geo. Lee.	Muskoka Mills.	Boyd, George.....	Gravenhurst..
Buchanan, Robert.....	Coldwater.	Bissell, Geo. Thomas....	Trenton.
Beck, Jacob Frederick....	Penetanguishene	Baxter, Richard.....	Deseronto.
Bird, Joseph Manly.....	Muskoka Mills.	Breeaugh, Edward.....	Deseronto.
Boyd, John F.....	Thessalon.	Boyd, Geo. A.....	Thessalon.
		Buchan, Frederick.....	Arnprior.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Barrett, Patrick	Arnprior.	Cochrane, George.....	Peterboro.
Brundage, Alfred W.....	Pembroke.	Coburn, John.....	Lindsay.
Brougham, Thomas.....	Eganville.	Crowe, Nathaniel	Bobcaygeon.
Blair, Robert I.....	Arnprior.	Cameron, Alexander.....	Norman.
Benson, John W.....	Sturgeon Bay.	Chrysler, Frank R. L....	Webbwood.
Beck, Chas. M., Jr.....	Penetanguishene.	Callaghan, Thomas, Jr....	Campbellford.
Beatty, W. J.....	Coldwater.	Carson, Hugh.....	Kenora.
Burns, C. W., Jr.....	South River.	Calder, George.....	Woodville.
Bell, John Henry.....	Burk's Falls.	Callaghan, Dennis.....	Campbellford.
Berry, Harold.....	Labelle, Q.	Corrigan, Robt. T.....	Emo.
Black, George.....	Barwick.	Cameron, John H.....	Kenora.
Bettes, John Hiram.....	Muskoka Mills.	Carson, Melvin.....	Little Current.
Brady, John.....	Renfrew.	Cameron, John K.....	Spanish River.
Brown, James.....	Buckingham, Q.	Cassidy, William.....	Little Current.
Brooks, W. J.....	Blind River.	Coons, Geo. Washington..	Peterboro.
Bertrand, Allan.....	Nairn Centre.	Chisholm, Geo. Leopold..	Sault Ste. Marie.
Brinkman, Alex. B.....	Sault Ste. Marie.	Clark, Wm. J.....	Birkendale.
Black, Jacob.....	Barwick.	Carr, Herbert E.....	North Bay.
Beattie, W. J.....	Arnprior.	Cochrane, Alfred L.....	Muldoon, Que.
Bromley, William.....	Westmeath.	Campbell, George.....	Fort Frances.
Bissell, Hartie.....	Trenton.	Chalmers, George James..	Peterboro.
Brown, Robert.....	Starrat.	Caverly, David Charles..	Parry Sound.
Beaton, Hugh.....	Waubaushene.	Campbell, Archibald J....	Little Current.
Bailey, Arthur.....	Parry Sound.	Close, John L.....	Arnprior.
Burd, James Henry.....	Parry Sound.	Carmichael, Donald.....	Arnprior.
Bailey, Samuel James....	Orillia.	Carty, John.....	Arnprior.
Burton, Tinswood.....	Renfrew.	Cleary, Patrick M.....	Arnprior.
Boyes, James.....	Huntsville.	Caldwell, James M.....	Callendar.
Brown, John.....	Rockdale.	Cushing, John J.....	Davidson, Que.
Brennan, Edward Scott..	Sundridge.	Crebo, William.....	Thessalon.
Bell, John Arguey.....	Klock's Mills.	Cullen, Michael J.....	Massey Station.
Bromley Edw. H.....	Pembroke.	Cuthbertson, William....	Arnprior.
Bliss, Lawrence E.....	Byng Inlet.	Carss, Percy.....	Thessalon.
Buee, Nell.....	Spanish Station.	Coghlan, Michael.....	Chapeau, Que.
Brazziel, Leonard.....	Spanish Station.	Cameron, Alexr. Gordon..	Beauchene, Que.
Bowie, James.....	Bryson, Que.	Cassady, W. W.....	Emo.
Barrie, Nicholas J.....	Ottawa.	Carter, Robert E.....	Fesserton.
Burke, J. D.....	Kenora.	Coleman, Jos.....	Baysville.
Bowen, Thomas.....	Deseronto.	Cardiff Geo. McDougall..	Sudbury.
Brown, James F.....	Baysville.	Cameron, W. D.....	Kenora.
Blastorah, Bernard.....	Harwood.	Crandall, F.....	Port Arthur.
Brannan, William H.....	Pembroke.	Campbell, James R.....	Eganville.
Bromley, Thomas.....	Webbwood.	Campbell, John A.....	Galleta.
Barr, J. C.....	Fort Frances.	Caillier, Hyacinth.....	Arnprior.
Bradley, J. M.....	Mine Centre.	Chamberlain, Thomas....	Bobcaygeon.
Burns, Dominick.....	Webbwood.	Cooper, David Allan.....	Millbrook.
Campbell, Robert John....	Flinton.	Cox, Henry.....	Ballerica, Que.
Carpenter, John A.....	Arnprior.	Currie, James.....	Ottawa.
Campbell Alex J.....	Trenton.	Clarkson, A. E.....	Midland.
Carson, James.....	Bracebridge.	Clairmont, E.....	Gravenhurst.
Campbell, J. M.....	Bracebridge.	Cameron, W. F.....	Sturgeon Bay.
Campbell, Robert.....	Bracebridge.	Connolly, David.....	Gravenhurst.
Clairmont, Joseph.....	Campbellford.	Campbell, P. C.....	Sault Ste. Marie.
Clarkson, Robert J.....	Parry Sound.	Cadenhead, Alexander....	Midland.
Carruthers, Aaron.....	Hintonburg.	Carpenter, R. J.....	Arnprior.
Calder, Wm. J.....	Burk Lake.	Christie, William Pringle.	Severn Bridge.
Chew, Joseph.....	Gravenhurst.	Campbell, C. V.....	Sault Ste. Marie.
Cole, James Colin.....	Ottawa.	Clegg, Samuel.....	Peterboro.
Cameron, Wm.....	Collin's Inlet.	Clairmont, William L....	Gravenhurst.
Cain, Robert.....	Midland.	Cook, Sydney P. W.....	Spanish Station.
Crawford, Stephen W....	Thessalon.	Corrigan, John.....	Baysville.
		Chalmers, Alexander M....	Peterboro'.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Charlton, George A.....	Collingwood.	Davis, J. P.....	Bobcaygeon.
Cahill, Thomas.....	Nosbonsing.	Dale, John Alexander....	Birkendale.
Chew, Manley.....	Midland.	Dinsmore, Chas. L.....	Huntsville.
Cooper, James Eddly.....	Saurin.	Drum, Patrick.....	Belleville.
Cook, Reinhardt.....	South River.	Durham, Edgar S.....	Rosseau.
Crowe, Cecil.....	Bobcaygeon.	Duquette, Chas.....	Webbwood.
Callaghan, Dennis.....	Trenton.	Davis, William Albert....	Bobcaygeon.
Collins, James.....	Barryville.	Dickson, Robt. Alexander.	Keene.
Claffey, Edward D.....	Fort William.	Dawkins, John.....	Gravenhurst.
Coyne, Phin.....	Chelmsford.	Doxsee, James E.....	Gravenhurst.
Constantine, Eudore.....	Blind River.	Didier, L. P.....	Aylmer, Que.
Cameron, Ewan.....	Gordon Lake.	Devine, Patrick J.....	Sheenboro, Que.
Campbell, Daniel N.....	Buckingham, Que.	Dinsmore, Richard.....	Huntsville.
Canniff, R. W.....	Kenora.	Dunn, Percy E.....	Longford Mills.
Cassidy, S. C.....	Dunchurch.	Duval, Chas.....	Halfway.
Charleston, John Baptiste.	Ottawa.	Donlevy, James.....	Calabogie.
Comer, Billa F.....	Tweed.	Doris, Patrick.....	Peterborough.
Carter, George.....	Sundridge.	Doris, John.....	Peterborough.
Corrigan, Robt. J.....	Emo.	Donahue, Michael.....	Erinsville.
Caswell, Grant.....	Coldwater.	Doran, W.....	Belleville.
Caswell, Geo.....	Coldwater.	Dickson, Robert R.....	Kippewa, Que.
Chemir, David A.....	Pembroke.	Donlevy, Wm. C.....	Rockcliffe.
Clairmont, Philadelp L.	Gravenhurst.	Duff, Chas. A.....	Stewartville.
Crowe, Edgerton.....	Bobcaygeon.	Dean, James C.....	Kenora.
Castonquay, A. C.....	Chelmsford.	Duff, Peter A.....	Claybank.
Clark, Donald Allan.....	Port Arthur.	Duncan, Downey.....	Rainy River.
Charette, Herbert.....	Devlin.	Dougherty, J. M.....	Fort Frances.
Christie, Uriah W.....	Fort Frances.	Dunn, John F.....	Spanish Mills.
Clark, Joseph C.....	Fort Frances.	Dyke, Morris F.....	Blind River.
Crowe, Leslie.....	Bobcaygeon.	Devitt, Frank.....	Dinorwic.
Campbell, Duncan W.....	Stewartville.	Dickie, David.....	Port Arthur.
Callahan, Thomas N.....	Arnprior.	Dupuis, Alfred.....	Keewatin.
Clements, Albert James..	Bent River.	Enlaw, Oliver.....	Campbellford.
Carney, Albert.....	Sault Ste. Marie.	Ebert, Andrew P.....	Pembroke.
Collins, Arthur.....	Massey Station.	Ellis, Alexander.....	Arnprior.
Carter, George.....	Lavelle, Que.	Ellis, John.....	Westmeath.
Chitty, Alfred E.....	Kenora.	Errington, Joseph.....	Sundridge.
Cardiff, Richard J.....	Arnprior.	Eddington, Henry John...	Parry Sound.
Conway Thomas.....	Barry's Bay.	Enright, Daniel.....	Port Arthur.
Costello, Thomas M.....	Antrim.	Eager, James.....	Parry Sound.
Didier, Hector.....	Mattawa.	Elliott, Porter P.....	Mine Centre.
Doran, Frank.....	Barryvale.	Elliott, William.....	Cache Bay.
Dunning, E. Percival....	Parry Sound.	Edgar, J. E.....	Rat Portage.
Duff, R. J.....	Arnprior.	Elliott, George E.....	Peterborough.
Durrill, John W.....	Ottawa.	Edwards, Joseph K.....	Gillies' Depot.
Dickson, John.....	Sundridge.	Eldridge, Robert.....	Fort Frances.
Dickson, James L.....	Michipic'ten H'r.	Fraser, John A.....	Kenora.
Dobie, Harry.....	Sault Ste. Marie.	Ferguson, Wm. H.....	Red Bay.
Deacon, Charles.....	Sault Ste. Marie.	Forbes, Chris. McKay....	McLean's Depot.
Danter, R. W.....	Parry Sound.	Fitzgerald, E. Clair.....	Parry Sound.
Doyle, T. J.....	Eau Claire.	Farrell, W. H.....	Ironside, Que.
Dobie, Alexander R.....	Blind River.	French, Lewis William....	Byng Inlet.
Darling, J. M.....	Wisawasa.	Fraser, William A.....	Mattawa.
Dillon, John.....	Calabogie.	Finerty, Patrick.....	Rochfort.
Durrell, Jos. Nelson.....	P't'ge du F'rt, Q.	Farnand, Frank.....	Diamond.
Durrell, John.....	Calabander.	Fulton, Philip S.....	Spanish Station.
Donally, Richard S.....	Sudbury.	Fitzgerald, Ulyot C.....	Parry Sound.
Devine William.....	Cook's Mills.	Fenn, George.....	Bracebridge.
Durrill, William.....	Nosbonsing.	Fortune, Owen.....	Trenton.
Draper, Patrick.....	Quyon, Que.	Fraser, David.....	Norman.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
France, John.....	Collin's Inlet.	Golden, Frank J.....	Trenton.
Ferguson, Ernest A.....	Baysville.	Garson, Robert.....	Thessalon.
Ferguson, Alpen	Mattawa.	Gropp, August.....	Penetanguishene.
Ford, John William B....	P'r'tge du F'rt, Q.	Grozzelle, Antoine D.....	Muskoka Mills.
Ford, Charles.....	Wahnapiatae.	Goulais, James.....	Peterborough.
Findlay, J. H.....	Braeside.	Grayson, Charles.....	Keewatin.
Fraser, James.....	Renfrew.	Gladstone, Harry E.....	Cook's Mills.
Fairen, Francis.....	Peterborough.	Guertin, Oliver.....	Biscotasing.
Faulkner Jos.....	Fesserton.	Gelinas, Frank.....	Hull, Que.
Fraser, Alexander, Jr....	Westmeath.	Gwynne, John.....	Hawkesbury.
Fairbairn, William.....	Calabogie.	Gray, Frederick M.....	Brule Lake.
Fraser, Wm. A.....	Pembroke.	Graham, Edward G.....	Wahnapiatae.
Fraser, Foster.....	Pembroke.	Griffin, James.....	Spanish River.
Fraser, Wm.....	Little Current.	Gordon, Alexander B.....	Pembroke.
Fraser, Hugh Alexander..	Pembroke.	Gareau, Noah J.....	Pembroke.
Flaherty, John.....	Lindsay.	Gillies, D. A.....	Carleton Place.
Fisher, Wm.....	Trenton.	Gilligan, Edward.....	Mattawa.
Fox, Thomas.....	Deseronto.	Gladman, Charles.....	Parry Sound.
Fallis, James W.....	Sturgeon Bay.	Garrow, John D.....	Ottawa.
Fairbairn, N. H.....	Webbwood.	German, William Burton..	Wahnapiatae.
Friel, John.....	Trenton.	Gordon, Robert W.....	Pembroke.
Fox, Charles.....	Trenton.	Guertin, Nelson.....	Petawawa.
Featherstonehaugh, W. H..	Penetanguishene.	Gardner, John	Kenora.
Friar, Schuyler.....	Westmeath.	Gunter, Peter M.....	Gilmour.
Farren, Joel.....	Savanne.	Glennie, William.....	Millbridge.
Fraser, Duncan.....	Big Forks.	German, Maurice J.....	Fenelon Falls.
Freestone, Walter.....	Burk's Falls.	Gillies, John A.....	Braeside.
Fraser, John.....	Bancroft.	Goddin, Edward.....	Griffith.
Fitzgerald, D.C.....	Spanish Station.	Grant, Joseph.....	Eganville.
Foster, Wm. C.....	Searchmont.	Gilmour, James B.....	Braeside.
Frazer, Jas. C.....	Spanish Mills.	Gorman Joseph P.....	Sault Ste. Marie.
Fremlin, H. P.....	Richards' Land'g.	Gordon, Thomas A.....	Hall's Bridge.
Foster, Ed. G.....	Sault Ste. Marie.	Gray, Albert H.....	Biscotasing.
Farrel, Peter M.....	Whitefish.	Gadway, John.....	Parry Sound.
Fairhall, Edward.....	Whiteside.	Garrow, Edward.....	Webbwood.
Fraser, Levi.....	Bracebridge.	Golding, William.....	Dorset.
Fiddes, James.....	Rainy River.	Gillies, Harry.....	White Lake.
Frawley, Frank.....	Orillia.	Gordon, Herbert C.....	Nelson.
Fisher, George.....	Sault Ste. Marie.	Gillespie, M. H.....	Cook's Mills.
Filiatrault, J. A.....	Blind River.	Griffin, William.....	Huntsville.
Farrier, John William...	Chapleau.	Ganton, David	Trout Creek.
Finney, Benjamin B.....	Fort Frances.	Graham, George L.....	Arnprior.
Follis, Frank C.....	Hawkesbury.	Graham, Frederick S.....	Arnprior.
Fortune, Percy H.....	Blind River.	Gill, Cuthbert.....	Orillia.
Fraser, Wm. Foster.....	Sault Ste. Marie.	Graham, James Robert...	Kenora.
Fraser, Allan H.....	Thessalon.	Graham, Thomas Jordan..	Byng Inlet.
Farquharson, James.....	Tomiko.	Gaudaur, Antoine Daniel.	Orillia.
		Gorman, Patrick.....	Eganville.
		Guy, Charles.....	Fort Frances.
Griffith, Geo. F.....	Pembroke.	Graham, George H.....	Gillies Depot.
Graham, John.....	Arnprior.	Greer, George P.....	Port Arthur.
Golden, John.....	Gilmour.	Gill, Charles.....	Fort Frances.
Gunter, Henry M.....	Trenton.	Gamey, William H.....	Englehart.
Goltz, Ernest.....	Bardsville.	Gorman, Michael J.....	Diver.
Green, Forman A.....	Gilmour.	Grier, Roy B.....	Kenora.
Green, Samuel E.....	Parry Sound.	Greer, Samuel H.....	Gore Bay.
Grant, John.....	Flinton.	Gilbert, Sidney N.....	Rainy River.
Green, Arthur.....	Ottawa.		
Green, Norman McL.....	Bancroft.	Hale, Thomas.....	Pembroke.
Gillis, John J.....	Whitefish.	Hogan, Albert J.....	Sault Ste. Marie.
George, R. W.....	Parry Sound.	Hagen, Edmund G.....	Little Rapids.
Gardiner, John.....	Parry Sound.	Hagen, Wilson.....	Thessalon.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Hurd, Cyrus.....	Parry Sound.	Hawkins, William A.....	Pembroke.
Henderson, Albert E.	Burford.	Herring, Edward C.....	Sebright.
Hale, John B.....	Sault Ste. Marie.	Hatch, J. W.....	Dryden.
Hickerson, Melvin T.....	Fort Frances.	Hoard, Wm. Paris.....	Emo.
Howey, George H.....	Fort Frances.	Hartman, W. R.....	Blind River.
Hartt, James.....	Gilmour.	Hill, Ernest L.....	Hawkesbury.
Hayes, James.....	Enterprise.	Hall, Samuel S.....	Marmora.
Humphrey, T. W.....	Gravenhurst.	Hasleton, Constantine ..	Killaloe.
Huckson, A. H.....	French River.	Hamilton, A. J.....	Spragge.
Handley, Robert.....	Douglas.	Heggart, E. C.....	Trout Mills.
Howe, Alexander.....	Queensborough.	Hunt, Ronald E.....	Massey.
Hurd, Edwin.....	Hurdville.	Hurd, Asahel.....	Parry Sound.
Huff, J. S. Morris.....	Arnprior.		
Halliday, Robert J.....	Lindsay.	Irving, Thos. H.....	Parry Sound.
Hutton, John.....	Hutton House.	Irwin, Eli.....	Kenora.
Hutchinson, Wm. E.....	Huntsville.	Irving, Edward C.....	Kenora.
Hogarth, Joseph Rowan..	Pembroke.		
Humphrey, John.....	Gravenhurst.	Johnston, Ralph E.....	Port Arthur.
Hill, Joshua.....	Midland.	Johns, Frank A.....	Toronto.
Hall, David.....	Lovering.	Jackson, Robert.....	Brechin.
Hartley, Charles.....	Peterborough.	Johnson, Finlay.....	Bracebridge.
Hawkins, Henry Chas....	Blind River.	Jones, Albert.....	Victoria Harbor.
Hines, Philip Wallace....	Huntsville.	Johnson, Thomas.....	Bobcaygeon.
Hudson, John Lewis.....	Combermere.	Johnston, Archibald M....	Norman.
Hurdman, William H....	Ottawa.	Julien, Charles.....	Trenton.
Hughes, John.....	North Bay.	Junkin, Henry.....	Marmora.
Howie, R. G.....	New Liskeard.	Johns, Frank.....	Nipissing Junct'n.
Helferty, Dennis.....	Eganville.	Jessup, Edward D.....	Cache Bay.
Hamilton, Robert.....	Kenora.	Johnson, Frank N.....	Ottawa.
Hoppins, Abiram.....	Kingston.	Johnston, John.....	Peninsular Lake.
Hoppins, Densmore.....	Kingston.	Johnson, S. M.....	Arnprior.
Haystead, John.....	Parry Sound.	Jones, Frederick James..	Flinton.
Henderson, John Irwin..	Bobcaygeon.	Johnston, William A.....	Castleford.
Hartley, William.....	Millbridge.	Jervis, Henry.....	Wisawasa.
Higgins, John C.....	Peterborough.	Jones, William.....	Fenelon Falls.
Harrison, John, Jr.....	Pembroke.	James, Martin.....	The Flats.
Hawkins, E.....	La Breton Flats.	Johnston, James.....	Fort Frances.
Henderson, Charles.....	Bracebridge.	Johns, Alexander.....	Callander.
Halliday, Frank.....	Parry Sound.	Jackson, John A.....	Barwick.
Hammond, W.....	Orillia.	Johnson, Thomas.....	Fort Frances.
Hall, Charles Asa.....	Penetanguishene.	Johnston, George N.....	North Bay.
Hearl, John.....	Callander.		
Howe, Isaac.....	Fort Frances.	Kintree Stuart.....	Little Rapids.
Halliday, James.....	Springtown.	Kerby, John.....	Belleville.
Hurdman, J. A.....	Ottawa.	Kennedy, Robert.....	Marmora.
Hawkins, Stonewall J. ...	Meldrum Bay.	Kirby, Louis Russell.....	Ottawa.
Hinchcliffe, William	Gunter.	Kennedy, Timothy.....	Enterprise.
Henderson, Arthur.....	Baysville.	Kirk, Henry.....	Trenton.
Hillis, James M.....	Sutton West.	Knox, Milton.....	Ottawa.
Harris Wm., Jr.....	Day Mills.	Kinsella, Michael Pierce..	Trenton.
Hogg, W. J.....	North Bay.	Kitchen, D.....	French River.
Hoxie, E. P.....	Katrine.	Kelly, Jeremiah.....	Sudbury.
Hawkins, Walter.....	Pembroke.	Kelly, Ferdinand.....	Mattawa.
Howard, James.....	Eganville.	Kennedy, T. J.....	Arnprior.
Howard, William.....	Baysville.	Kenning, Henry.....	Pembroke.
Hogan, Enos W.....	Savanne.	Kirby, D. F.....	Belleville.
Horne, John T.....	Fort William.	Kirkpatrick, David.....	Lindsay.
Hamilton, Chas. E.....	Kenora.	Kean, John F.....	Orillia.
Henderson, Leonard.....	Baysville.	Kellett, Fred.....	Keewatin.
Hunter, Thos.....	Callendar.	Kelly, Michael J.....	Baysville.
Hamilton, Robert J.....	Ottawa.	Kirk, William James.....	Webbwood.
		Kerr, E. G.....	Thessalon.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
King, Napoleon.....	Mattawa.	Lawrie, John D.....	Parry Sound.
Kean, B. F.....	Orillia.	Lovering, George Francis.	Coldwater.
Kemp, Orval Wesley.....	Trenton.	Lucas, R. G.....	Christina.
Kirk, Charles Barron.....	Queensborough.	LeBlanc, Edmund C.	Chapleau.
Kingsland, W. P.....	Ottawa.	Lavigne, John.....	Aylmer, Que.
Kerr, John B.....	Arnprior.	Landell, Charles S.....	Huntsville.
Kennedy, Walter.....	Arnprior.	Long, Henry Elisha.....	Mattawa.
Kennedy, John.....	Pembroke.	Lynch, W. H.....	Collingwood.
Knox, Wm. M.....	Fesserton.	Laplante, Francis.....	Byng Inlet.
Kingston, Robert.....	Wisawasa.	Lindsay, James.....	Arnprior.
Kearnan, Edward.....	Blind River.	Labelle, Michael.....	Arnprior.
Kearney, Michael John...	Buckingham, Qu.	Legree, John.....	Dacre.
Kendrick, John.....	Burk's Falls.	Legree, James L.....	Calabogie.
Kendrick, John L.....	Burk's Falls.	Leigh, John Chas.....	Gravenhurst.
Kennedy, John W.....	Ottawa.	Lloyd, Edward B.....	King.
Kelly, James F.....	Trout Creek.	Lemyre, Bruno.....	Gravenhurst.
Kauffman, Julius.....	Blind River.	Lavelle, Charles H.....	Canoe Lake.
Kennedy, Sylvester.....	Brule Lake.	Lyons, James.....	Waltham Sta., Q.
Kernahan, George A.....	Barwick.	Ledwood, Charles.....	Ottawa.
Kehoe, Martin.....	Huntsville.	Levelle, Emrey.....	Waltham Sta., Q.
Kennedy, Daniel J.....	Spanish.	Little, Theo.....	Kenora.
Leannoth, Francis.....	Arnprior.	Lehman, Joseph.....	Stratton Station.
Lee, James.....	Warren.	Lafare, Mark.....	Cache Bay.
Lloyd, Alfred.....	Seyern Bridge.	Leach, George.....	Vermilion Bay.
Lawrie, Frank A.....	Parry Sound.	Lott, Angus M.....	Spanish Mills.
Latimer, Jas.....	Frank's Bay.	La Belle, Ambrose.....	Kenora.
Lemyre, Middey.....	Campbellford.	La Breen, Douglas.....	Kenora.
Lutz, Jacob.....	Parry Sound.	Lavelle, Michael J.....	Blind River.
Luby, John E.....	Ottawa.	Lyleton, J. E.....	Parry Sound.
Law, Wm. J.....	Markstay.	Lalor, William J.....	Aspdin.
Lummis, Daniel.....	Glanmire.	Lalonde, Joseph Maxine ..	Link.
Lowe, W. C.....	Port Arthur.	Malloy, Mark.....	Baysville.
Londry, S. C.....	Sault Ste. Marie.	Martin, Hugh.....	Sault Ste. Marie.
Lochnan, James.....	Ottawa.	Miller, R. O.....	Gravenhurst.
Link, Henry W.....	Ottawa.	Morrison, James.....	Toronto.
Ladarotte, John.....	Arnprior.	Murray, Frederick.....	Huntsville.
Lochnan, John.....	Aylmer, Que.	Menzies, Archibald.....	Burk's Falls.
Lozo, John.....	Trenton.	Manning, James.....	Trenton.
Loughrin, Lawrence.....	Pembroke.	Martin, Philip.....	Stoco.
Linton, J. H.....	Parry Sound.	Malone, Wm. Patrick	Ottawa.
Ludgate, James.....	Peterborough.	Marsh, Esli Terrill	Trenton.
Lee, Robert.....	Huntsville.	Miller, John W.....	Huntsville.
Langford, Mark.....	Bavsville.	Muchinbacker, Asa.....	Rosseau Falls.
Letherbv, Edwin.....	Midland.	Morris, Geo. F.....	French Bay.
Leahy, Francis M.....	Chapeau, Que.	Murray, George, Jr.....	Waubauskene.
Langford, Henry.....	Baysville.	Maughan, Joseph.....	Fort William.
Lessard, Philip.....	Kenora.	Margach, Wm. J.....	Port Arthur.
Lovering, William James.	Coldwater.	Murray, George, Sr.....	Waubauskene.
Lane, Maurice.....	Bobcaygeon.	Manice, Wm.....	Peterborough.
Lenton, George.....	Peterborough.	Murray, Wm.....	Kenora.
Lowe, Thomas A.....	Renfrew.	Morgan, Richard J.....	Kenora.
Livingston, Robert M.....	Huntsville.	Magee, Thomas Arthur....	Kenora.
Londry, William E.....	Sault Ste. Marie.	Murdoch, James.....	Cook's Mills.
Labelle, James.....	Waltham, Que.	Mulvahill, Wm.....	Arnprior.
Labelle, Eli.....	Waltham, Que.	Murphy, Arthur.....	Ottawa.
Ladurante, J. D.....	Ottawa.	Mayhew, Jacob.....	Northcote.
Ludgate, Theodore.....	Peterborough.	Molyneaux, George	Parry Sound.
Lucas, Frank.....	Sault Ste. Marie.	Milway, Joseph.....	Fort William.
Lunam, Duncan.....	Collfield, Que.	Mackie, Nathan.....	Port Arthur.
Lott, George.....	Trenton.	Milne, Archie.....	Arnprior.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Murray, James.....	Peterborough.	Mackey, Levi Ralph.....	Keewatin.
Moore, James A. E.....	Lakefield.	Morley, Frank W.....	Kenora.
Merkley, William A.....	Ottawa.	Madden, F. M.....	Haileybury.
Murphy, Hugh R.....	Ottawa East.	McCaw, Joseph E.....	Tweed.
Murphy, W. J.....	Arnprior.	McLaren, Peter.....	Kenora.
Murray, William.....	Markstay.	McGregor, Colin F.....	Kenora.
McFarlane, Robert L.....	Warren.	McKenzie, Robert.....	Kenora.
Martin, Edgerton.....	Markstay.	McFadyen, A. J.....	Bracebridge.
Mathieson, Archie.....	Fort Frances.	McCaulay, Thos. J.....	Goulais Bay.
Moore, Henry R.....	Lakefield.	McDonald, John C.....	Spanish Mills.
Mickle, Chas S.....	Gravenhurst.	McKenzie, Alex E.....	Ansonia.
Mullen, James.....	Webbwood.	McIntyre, John.....	Arnprior.
Morley, A. W.....	Winnipeg.	McDermott, Thos.....	Orillia.
Macdonald, James M.....	North Bay.	McDermott, Jas. E.....	North Bay.
Money, Harry.....	Haileybury.	McCrinkle, Jas.....	Sudbury.
Mather, Allen.....	Keewatin.	McGhie, Chas. S.....	Whitestone.
Menzies, Alexander.....	Sault Ste. Marie.	McGenigal, John H.....	Whitby.
Munro, Peter P.....	Commanda.	McCart, Patrick.....	Arnprior.
Mason, Benjamin.....	Westmeath.	McGrath, Thos. B.....	Peterborough.
Monaghan, John B.....	Arnprior.	McCormick, James J.....	Trenton.
Monaghan, M. J.....	Arnprior.	McCarthy, Wm.....	Fenelon Falls.
Mulvihill, John.....	Arnprior.	McAvoy, Owen.....	Campbellford.
Moran, Andrew.....	Rockingham, Qu.	McConnell, Lewis.....	Fesserton.
Mulvihill, Michael.....	Arnprior.	McMullen, George.....	Spragge.
Mann, John.....	Manitowaning.	McNab, Angus.....	Burnstown.
Marrigan, Richard.....	Deseronto.	McColgan, C. H.....	Quyon, Que.
Monaghan, John Dorland.	Deseronto.	McCallum, Webster.....	Arnprior.
Matheson, Wm.....	Chelmsford.	McCagherty, Robert E.....	Westmeath.
Munro, Alex. G.....	Braeside.	McNab, Archie.....	Calabogie.
Murphy, Oliver A.....	Marksville.	McDonald, Malcolm.....	Spragge.
Mellor, Charles.....	Port Arthur.	McIvor, J. A.....	Fort Frances.
Millions, Harry.....	Gillies' Depot.	McCulloch, M.....	Kenora.
MacDonell, R. D.....	Biscotasing.	McDonagh, Rod.....	Callander.
Milne, Fred.....	Trout Mills.	McManus, James.....	Arnprior.
Milne, William H., Jr.....	North Bay.	McKinley, J. H.....	Curran.
Murphy, Dennis.....	Thessalon.	McPherson, Jas. S.....	Rama.
Mackie, Thomas.....	North Lake.	McKinley, Edward C.....	Toronto.
Miller, P. H.....	Blind River.	McClelland, John.....	Parry Sound.
Munro, Philip.....	Braeside.	McFarlane, J. W.....	Cache Bay.
Mangan, Patrick.....	Arnprior.	McDonald, Roderick.....	Pembroke.
Marcil, Peter.....	Ottawa.	McCormack, Wm.....	Fembroke.
Main, Samuel.....	Spanish Station.	McCreary, William.....	Arnprior..
Morley, Charles.....	Huntsville.	McCuag, James C.....	Bryson.
Moore, David Henry.....	Peterborough.	McColman, Peter.....	North Bay.
Murphy, John.....	Arnprior.	McLeod, James D.....	Gravenhurst.
Mathieson Daniel.....	Chelmsford.	McCrimmon, N. K.....	Blind River.
Milne, Wm.....	Ethel.	McCreary, James, Jr.....	Arnprior..
Mangan, Charles.....	Burk's Falls.	McPhee, Hugh.....	Byng Inlet.
Moorey, Lincoln.....	Orillia.	McCudden, James.....	Arnprior..
Mangan, John.....	Arnprior.	McLachlin, J. A.....	Arnprior..
Mooney, Thomas.....	Kingston.	Macpherson, John.....	Ottawa.
Mason, Robt. T.....	Rochesterville.	McEachren, John A.....	Gravenhurst W.
Moore, Wm. John.....	Gravenhurst.	McLeod, Dugald.....	Gravenhurst.
Morrison, Donald.....	Reay.	McClelland, R. H.....	Parry Sound.
Moore, Wm.....	Bobcaygeon.	McEvoy, Frank.....	Campbellford.
Mutchenbacker, Herman..	Rousseau Falls.	McDermott Peter.....	Orillia.
Moore, Norman.....	Arnprior.	McIlroy, John.....	Madoc.
Morley, John R.....	Kenora.	McNab, Robert J.....	Parry Sound.
Mackay, J. A.....	Big Forks.	McFadden, James.....	Ottawa.
Miller, Robt.....	Montreal.	McIntosh, James G.....	Carleton Place.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
McInnis, Hector D.....	Bracebridge.	McLachlin, Alexander....	Arnprior.
McKinnon, Malcolm.....	Bracebridge.	Mackey, Edward.....	Arnprior.
McLean, Daniel.....	Bracebridge.	McEwan, Henry.....	Trenton.
McKinnon, Archie J.....	Bracebridge.	McDonald, Alfred.....	Peterborough.
McKay, D. C.....	Baysville.	McGeary, John J.....	Sundridge.
McDonald, James.....	Parry Sound.	McDonald, Archibald W...	Gilmour.
McPherson, Allan.....	Longford.	McGaw, John Gillen....	Queensborough.
McDonald, James P.....	French River.	McCauley, Barney.....	Trenton.
McFarlane, Jos. C.....	Port Severn.	McDougall, James T....	Klock's Mills.
McNabb, Alexander.....	Thessalon.	McInenly, Thomas.....	Quebec, Que.
McGillivray, Archibald...	Port Arthur.	McBride, Archibald.....	Arnprior.
McGrane, Edward.....	Lindsay.	McFarlane, Robert L....	Arnprior.
McLeod, Donald, Jr.....	Keewatin.	McGowan, Wm.....	Parry Sound.
McDonald, Hector R.....	Thessalon.	McLachlin, Norman.....	Arnprior.
McDougall, Duncan.....	Bracebridge.	McDonald, Laughlin....	Pendleton.
McNabb, Alexander D....	Warren.	McIvor, William J.....	Collins' Inlet.
McCormack, John C.....	Sudbury.	McKee, John P.....	Sturgeon Falls.
McNamara, John.....	Byng Inlet.	McGowan, Thomas.....	Parry Sound.
McGillivray, Duncan D...	Algoma Mills.	McDermot, Patrick.....	South River.
McIntyre, Daniel A.....	Klock's Mills.	McKay, Angus.....	South River.
McNamara, Lewis.....	Klock's Mills.	McDonald, A. J.....	Longford.
McDonald, Sydney C.....	Mattawa.	McInnis, Angus D.....	Gravenhurst.
McGurn, John J.....	Buckingham, Qu.	McKendry, Alexander...	Waubauskene.
McKeown, Jno. Joseph...	Port Arthur.	McGuire, Timothy.....	North Bay.
McNeel, David.....	Sault Ste. Marie.	McGrath, John.....	Peterborough.
McEwan, Andrew.....	Thessalon.	McWilliams, Jno. Bannon.	Peterborough.
McCool, Christopher L....	Cartier.	McCagherty, Patrick....	Westmeath.
McCollom, Donald.....	Arnprior.	McKendry, Daniel.....	Arnprior.
McDowell, Wm.....	Catche Bay.	MacDonald, D. F.....	Parry Sound.
McConnachie, Roy Stewart	Huntsville.	McManus, Thomas J.....	Renfrew.
McDonnell, J. K.....	Rat Portage.	Macfarlane, David R....	Ottawa.
McDonald, Alex. J.....	Vermillion Bay.	McColgan, Edward.....	Quyon, Que.
McKay, D. A.....	Rainy River.	McKay, John.....	Emo.
McMillan, James.....	Kenora.	McKinnon, William.....	Kenora.
McPhee, Ronald.....	Bracebridge.	McKittrick, Frank R. F.	Kenora.
McKay, George Donner...	Dorset.	McMichael, Charles.....	North Seguin.
McWilliams, Maxwell		McIlroy, Thomas Davis...	Madoc.
Theodore.....	Peterborough.	McDonald, Wm. Henry...	Trenton.
McLeod, John.....	Keewatin.	McGaw, Wm. Thomas....	Callander.
McPherson, George.....	Keewatin.	McMillan, L.....	Callander.
McDougall, John D.....	Kenora.	McDermott, John L.....	Orillia.
McGregor, Duncan.....	Burnstown.	McDonald, Chas. M.....	Pembroke.
McLean, Peter W.....	Sand Foint.	McPhee, Benjamin.....	Pembroke.
McNichol, John.....	Sudbury.	McGee, John Edward....	Parry Sound.
McInnis, D. E.....	Catche Bay.	Macfarlane, Mack.....	Arnprior.
McLaughlin, Samuel.....	Waubauskene.	MacCallum, Alexander...	Braeside.
McCollam, John.....	North Bay.	McRae, Farquhar.....	Kenora.
McManus, John C.....	Arnprior.	MacCallum, Albert.....	Arnprior.
McLean, John.....	Blind River.	McGonigal, John.....	Arnprior.
McLeod, Norman.....	Garden River.	McConachie, John.....	Huntsville.
McLean, James.....	Blind River.	McKay, D. G.....	Kenora.
McNally, J. A.....	Desbarats.	McDonald, James.....	Peterborough.
McNab, Alexander.....	Arnprior.	McCulloch, John L.....	Lonsdale.
McFarlane, Alexander...	Renfrew.	McConnell, James.....	Mine Centre.
McFarlane, J. D.....	Stewartville.	McIntyre, William John.	Fort Arthur.
McFarlane, Duncan.....	Renfrew.	McDonald, Allen.....	Big Forks.
McKendry, Wm. B.....	Arnprior.	McLay, Albert.....	Devlin.
McPhee Hugh.....	Renfrew.	McQuarrie, Daniel.....	Fort Frances.
McPhee, John.....	Arnprior.	McNaughton, Daniel....	Bracebridge.
McLachlin, Peter.....	Arnprior.	McCagherty, William E...	Westmeath.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
McDonald, John D.....	Mattawa.	Presley, J. F.....	Ashton.
McCagherty, Joseph T....	Westmeath.	Power, James.....	Bobcaygeon.
McAdam, Arch H.....	Quyon, Que.	Patzel, Adolph.....	Arnprior.
McMurphy, Dugald, Jr....	Kenora.	Plaunt, William B.....	Eganville.
McCall, Alfred.....	Kenora.	Plaunt, Joseph.....	Eganville.
McRitchie, William.....	Kenora.	Porter, Charles C.....	Longford.
McRitchie, Malcolm.....	Kenora.	Preston, R. E.....	Kenora.
McDonald, John Harold...	Rydal Bank.	Petrie, Geo. A.	Fergus.
McAuley, William Davis..	Sault Ste. Marie.	Pomeroy, Peter.....	Trenton.
McCallum, Thomas.....	Fort William.	Perry, Pringle K.....	Byng Inlet, N'th.
McWhinney, Fred.....	Kenora.	Purcall, W. G.....	Ottawa.
McNairney, Hugh H.....	Sudbury.	Purvis, John.....	Parry Sound.
McKelvie, William.....	Otter Lake Sta.	Porter, James.....	Uphill.
McGovern, Frank.....	Sault Ste. Marie.	Pearson, John James...	Lindsay.
McCallum, Gordon.....	Fort Frances.	Penney, Chas G.....	Cache Bay.
McCallum, Henry.....	Fort Frances.	Pennock, James P.....	Hardwood Lake.
McLaughlin, Russell.....	Spanish Mills.	Purdy, John A.....	Uxbridge.
McAdam, Miner S.....	Quio, Que.	Playfair, R. J.....	Blind River.
McDougall, David A. .	Nesterville.	Paterson John.....	Wahnapiatae.
McLeod, William A.	Manitowaning.	Paterson, Alexander....	Orillia.
Nescott, George.....	Kenora.	Parke, James.....	Gravenhurst.
Newton, Frank.....	Gravenhurst.	Parquette, Oliver.....	Webbwood.
Newburn, Wm.....	Parry Sound.	Palmateer, Sherman....	Gravenhurst.
Niblett, James.....	Arnprior.	Paget, George.....	Huntsville.
Niblett, Robert.....	Osceola.	Pounder, Joseph.....	Westmeath.
Nevison, Herbert.....	Kenora.	Pell, Richard D.....	Arnprior.
Nicholson, John.....	Owen Sound.	Perry, Frederick.....	Port Arthur.
Newall, John H.....	Parry Harbor.	Paget, Charles Edward...	Novar.
Nolan, John.....	Gravenhurst.	Porter, Thos. Robt. Mark.	Dorset.
Newton, Charles W.....	Victoria Harbor.	Pountney, E. J.....	Arnprior.
Nent, Charles.....	Vermilion Bay.	Pyburn, David J.....	Dorset.
Needham, John G.....	Pakenham.	Purdy, Geo.....	Hintonburg.
Oullette, Joseph P.....	Cutler.	Playfair, Andrew Wm....	Sault Ste Marie.
O'Neil, Thomas.....	Bancroft.	Pipe, Taylor.....	Haileybury.
O'Neill, Daniel H. H.....	Arnprior.	Pipher, George E.....	Mowat.
O'Leary, Patrick J.....	Orillia.	Pendee, David.....	Parry Sound.
Oliver, Charles R.....	Fesserton.	Piper, A. J.....	Blind River.
Overend, George J.....	Longford Mills.	Paget, Alfred H.....	Ahmie Harbor.
O'Brien, Andrew.....	Ottawa.	Powers, John J.....	Trout Mills.
O'Brien, Frank G.....	Arnprior.	Pigott, William D.....	Fitzroy Harbor.
Oliver, J. A.....	Fort William.	Potts, Cyril.....	North Lake.
Owen, W. J.....	Wabigoon.	Pitkey, William.....	La Vallee.
O'Connor, John.....	Hintonburg.	Quinn, William.....	Peterborough.
Oliver, Darcy.....	Wahnapiatae.	Quigley, Hugh.....	Penetang.
O'Connor, Wm.....	Nosbonsing.	Quirk, Thomas J.....	Petawawa.
O'Neil, James W.....	North Bay.	Robertson, D.....	Kenora.
O'Donnell, Wm.....	Penetanguishene.	Richardson, Fred'k George	Trenton.
Owens, Richard.....	Basin Depot.	Richards, Richard.....	Tamworth.
O'Reilly, Patrick.....	Carter.	Riddell, Geo. Alexander..	Rochesterville.
O'Neill, Mark.....	Renfrew.	Robertson, Lewis McLean.	Dunchurch.
Orrill, John.....	Trenton.	Robinson, Wm. F.....	Bobcaygeon.
O'Neill, Patrick.....	Bancroft.	Reamsbottom, Wm.	Mattawa.
Orde, Francis W.....	Kenora.	Richey, Evan.....	Brentwood.
O'Driscoll, Joseph.....	Sault Ste. Marie.	Randall, Lewis G.....	French River..
O'Gorman, Peter.....	Blind River.	Richardson, Chas. Marvyn	Trenton.
Pigott, John.....	Fitzroy Harbor.	Rochester, Daniel Baillie.	Ottawa.
Paul, Charles A.....	Sault Ste. Marie.	Riddell, James.....	Ottawa.
Patinson, Thos.....	Bracebridge.	Rice, Asa S.....	Hull, Que.
Price, A. E.....	Arnprior.	Roberts, T. A.....	Huntsville.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Hoss, Andrew	Longford Mills.	Simpson, Alfred E.	Wakefield.
Rose, Donald M.	Kenora.	Souliere, John B.	Ottawa.
Rawson, Charles Edward.	Coldwater.	Shields, James A.	Carleton Place.
Ross, George.	Waubauskene.	Spargo, George.	Ottawa.
Roberts, Percy T.	Keewatin.	Smyth, W. H.	Baysville.
Ritchie, Wm. D.	Little Current.	Salmon, R. H.	Byng Inlet North
Ramsay, Robert.	Arnprior.	Salmon, Alexander C.	Baysville.
Ritchie, J. F.	Arnprior.	Stremer, A.	Ottawa.
Ritter, Samuel G.	Ahmie Harbor.	Shields, Frank A.	Parry Sound.
Rothera, Charles F.	Sturgeon Falls.	Stapleton, John J.	Ogidakie.
Ryan, Alfred.	Byng Inlet.	Sloan, William H.	Port Frances.
Rogers, Fred.	Sault Ste. Marie.	Smyth, Job E.	Cache Bay.
Reid, George William.	Fort Frances.	Sage, Nelson.	Muskoka Mills.
Robertson, John A.	Kenora.	Seymour, Edward.	Whitefish.
Robinson, Wm.	Bobcaygeon.	Shaw, Thomas B.	Waubauskene.
Reid, Joseph B.	Lindsay.	Swanston, James.	Peterborough.
Ross, Walter M.	Ottawa.	Simpson, William.	Hall's Bridge.
Ruttle, H. A.	Carleton Place.	Sadler, Thomas.	Lindsay.
Richards, Benedict.	Ottawa.	Smith, Patrick Albert.	Norman.
Regan, John.	Orillia.	Snaith, William J.	Mattawa.
Russel, Wm.	Pembroke.	Sinn, William F.	Arnprior.
Ramsay, Charles.	Sudbury.	Sheppard, Wm. Joseph.	Waubauskene.
Russell, Corsan L.	Pembroke.	Spears, Milton B.	Barry's Bay.
Richards, Henry.	Dacre.	Stevenson, Arthur.	Peterborough.
Ryan, Wm.	Killaloe.	Stein, Paul.	Sault Ste. Marie.
Reid, John P.	Spanish Mills.	Shaw, Alfred.	Thessalon.
Ridley, Robert.	New Liskeard.	Sequin, Napoleon.	Spanish Station.
Riley, Charles W.	Hutton House.	Scrim, Robert.	Arnprior.
Raymond, Morris T.	Spanish Mills.	Sharp, James A.	Sudbury.
Rooney, Wm. H.	Campbellford.	Shaney, Harry S.	Cook's Mills.
Revell, J. O.	Dryden.	Smith, Wm.	Ottawa.
Rankin, Anthony.	Cache Bay.	Stewart, Daniel.	Braeside.
Ross, Angus.	Orrville.	Sheehan, Michael H.	Waubauskene.
Robinson, Albert E.	Washago.	Smith, Sydney H.	Bracebridge.
Robinson, Edward.	Washago.	Stewart, James A.	Pembroke.
Robinson, Thomas G.	Washago.	Sproule, Newton H.	Schomberg.
Raycroft, William T.	Sarnia.	Simmons, Alex.	Port Arthur.
Roberts, Ivor M.	Garden River.	Scott, Thomas.	Parry Sound.
Revell, Lionel Oliver.	W. Gravenhurst.	Smith, Lawrence.	W. Saginaw, Mich.
Regan, Judd Patrick.	Orillia.	Shea, Stewart.	Campbellford.
Robins, Etna Rosedale.	Orillia.	Sullivan, John.	Sault Ste. Marie.
Regan, John, Jr.	Orillia.	Sinclair, Finlay.	Sudbury.
Ryan, James.	Savanne.	Shiels, Henry F.	Cartier.
Rusk, Oscar W.	Cache Bay.	Smith, Gideon Ousley.	Burk's Falls.
Robinson, Thos. Geo.	Bracebridge.	Smith, John Wallis.	Thedford.
Rooksby, Wm.	Campbellford.	Smith, Henry G.	Arnprior.
Ramesbottom, Robt.	Byng Inlet.	Story, John A.	Ottawa.
Roy, Lewis.	Arnprior.	Sweezy, Benjamin.	Massey.
Riddell, Horace A.	Galetta.	Sheppard, Charles H.	Coldwater.
Rowan, A. L.	Sault Ste. Marie.	Sinclair, Armon D.	Arnprior.
Ritchie, James A.	Spragge.	Smith, Sidney E.	Ottawa.
Ross, George Joseph.	Schrieber.	Sleeman, Wm.	Rapid River.
Rowe, Frank E.	Hymers.	Sheehan, Peter F.	Loring (can't'd).
		Sleeman, Geo.	Rapid River.
		Sims, Wm. K.	Sault Ste. Marie.
		Skahill, Wm.	Blind River.
Smith, M. D.	Fort William.	Shaw, George.	Thessalon.
Scanlan, William.	Enterprise.	Sarsfield, George Francis.	Sault Ste. Marie.
Sutherland, D. H.	Gravenhurst.	Standish, Wm. H.	Batchawanning
Spanner, John.	Huntsville.	Simpson, Wm. A.	Lakefield. (Bay
Shier, James D.	Bracebridge.	Scollard, Wm.	Young's Point.
Spooner, W. R.	Katrine.		

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Shuttleworth, Alma	Trout Creek.	Thrasher, Henry G.	Pembroke.
Shanacy, Wm. J.	Spragge.	Tooke, Frank	Bala.
Seely, George	Arnprior.	Thorburn, Donald James ..	Thessalon.
Stewart, Alex. W.	Lanark.	Tetreault, Philias	Tomiko.
Soreny, Wm.	Braeside.		
Schneider, Frederick	Cache Bay.	Udy, Dean	French River.
Smith, James D.	Rat Portage.	Urquhart, Elias	Gravenhurst.
Sullivan, James	Aylmer.	Urquhart, Andrew	Barrie.
Scully, Cornelius	Whitney.		
Savoy, Eutrope	North Bay.	Vigrass, Percy J.	Dufferin Bridge.
Smith, Walter J.	Campbellford.	Vincent, Joseph	Warren.
Seymour, John J.	Whitefish.	Vollin, Samuel	Nosbonsing.
Smith, Alex. R. C.	Burk's Falls.	Vannier, Nelson Joseph ..	Bobcaygeon.
Stewart, Richard M.	Chelsea, Que.	Vincent, James	Fesserton.
Souliere, John H.	Canoe Lake.	Vincent, Henry T.	Port Sidney.
Smith, Abraim G.	Quyon, Que.	Vanderburg, Norman	Wisawasa.
Swallow, C. H.	Day Mills.	Valois, Armand	Mattawa.
Strave, A. M.	Mine Centre.	Villiers, Claude	Parry Sound.
Stewart, John	Fort Frances.	Vanier, John	Sault Ste. Marie.
Sullivan, George L.	Rainy River.		
Short, James	Kenora.	White, Thomas S.	Bracebridge.
Shaw, Fred. Jason	Thessalon.	White, A. Thomson	Pembroke.
Short, Chas. J.	Kenora.	Watt, R. A.	Spanish.
Smith, David H.	Sudbury.	Wilkins, Hughes	Blind River.
St. Hillaire, George	Arnprior.	Wallace, T. William	Blind River.
Souliere, Joseph C.	Cutler.	White, Joseph W.	Bracebridge.
Scott, J. C.	Fort Frances.	Watson, William	Huntsville.
Stewart, Frank E.	Crozier.	Webb, George W.	Parry Sound.
Sanders, Edward	Barwick.	Wilcox, Thomas	Parry Sound.
		Wheeler, J. A. McL.	Tamworth.
Taylor, Fred. L.	Parry Sound.	Widdifield, C. H.	Pine Orchard.
Thomas, Griff J.	Thessalon.	Whitmore, Edgar	Rosseau Falls.
Thomson, R. D.	Biscotasing.	Wright, L. B.	Sault Ste. Marie.
Tait, Thomas B.	Burk's Falls.	Ward, Joseph W.	Ottawa.
Taylor, C. M.	Gravenhurst.	Wilkinson, W.	French River.
Thornton, W. D.	Longford Mills.	Waldie, John E.	Victoria Harbor.
Trussler, Gilbert	Trout Creek.	Wigg, Thomas G.	Thessalon.
Thompson, Geo. S.	Lindsay.	Wall, Patrick B.	Cheboygan, Mich.
Thompson, Fred. A. H. ..	Callander.	Wells, John R.	Little Current.
Thompson, Francis Hy. ..	Nosbosing.	Whiteside, John	Huntsville.
Train, A. C.	Rowan Mills.	Watt, William	Peterborough.
Turgeon, Geo.	Cook's Mills.	Wilson, George	Lindsay.
Thayer, Wm.	Sault Ste. Marie.	White, Thomas	Parry Sound.
Thompson, Alexander W. ..	Arnprior.	Wood, William D.	Sault Ste. Marie.
Taylor, Thos. G.	Gravenhurst.	Watts, John J.	Fort Frances.
Trowse, A.	Arnprior.	Webster, George F.	Fort Frances.
Tucker, Louis A.	Fort Frances.	Wright, Percy	Fort Frances.
Thompson, Daniel	P't'ge du F'rt. Q.	Watts, William B.	Fort Frances.
Thompson, Richard	Kenora.	Watson, William	North Bay.
Thompson, Joseph H.	Bracebridge.	Wagner, Fred	Kenora.
Taylor, Edward A.	Westmeath.	Wainwright, Edward C. ...	Huntsville.
Tait, Ralph	Arnprior.	Wilson, Wm. James	Deseronto.
Train, William	Burk's Falls.	Weston, Frank R.	Midland.
Turner, Garvin F.	North Bay.	White, James B.	Manitowaning.
Tilson, Joseph	Burk's Falls.	Warren, Robert M.	Cache Bay.
Tuffy, John	Cartier.	Wilson, George A.	Balsam Hill.
Thorpe, Thomas	Pembroke.	Welch, Harold	Milberta.
Taylor, Charles E.	Gravenhurst.	Wilson, James A., Jr.	Webbwood.
Tench, Arthur	Hekkla.	Woods, John R.	Antrim.
Tulloch, William A.	Sault Ste. Marie.	Wardell, Ernest C. S.	Victoria Harbor.
Taylor, Alex. M.	Burnstown.	Woods, Joseph F.	Roach's Point.
Toner, J. A.	P't'ge du F'rt. Q.		

List of Persons holding Cullers' Licenses.—*Concluded.*

Name.	P. O. Address.	Name.	P. O. Address.
Whaley, Thomas	Huntsville.	Whelan, Peter M.	Renfrew.
Webster, Wm. Alfred	Bracebridge.	Wilson, David	Kearney.
Worndorf, Fred. Gutlep ..	Pembroke.	Weston, Cecil	Dorset.
Warrell, Wm.	Trout Creek.	Wilkins, George E.	Dorset
Wims, Peter	Blessington.	Woodcock, Edward	Brownhill.
Wickware, Philip Almont.	Cloyne.	Wilson, Fred.	Callander.
Wilson, Edward	Deseronto.	Wilson, Alexander R.	Thessalon.
Whelan, P. J.	McDougall.	Webster, Henry R.	North Lake.
Whyte, John Thos. Goth..	Ottawa.		
Watterworth, J. A.	Sault Ste. Marie.	Younge, Harvey D.	Fort Frances.
White, Wm. James	Muskoka Falls.	Young, R. H.	Fort Frances.
Warrell, George	Powassan.	Yuill, John Albert	Braeside.
Wells, George W.	Little Current.	Young, William	Severn Bridge.
Wilson, Frederick Gould..	Kenora.	Young, A. J.	Cache Bay.
Wallace, John Thomas ..	Thessalon.	Young, Samuel	Coldwater.
Wilkins, George N.	Baysville.	Young, Patrick P.	Young's Point.
Wylie, Byron M.	Webbwood.	Young, Francis G.	Young's Point.
White, Allan	Pembroke.	Yuill, Thomas	Arnprior.
Warner, Franklin H.	Fort Frances.	Yuill, A. D.	Braeside.
Watts, George	Fort Frances.	Young, C. T.	Harvey.
Wood, Thomas	Parry Sound.	Yuill, John Alex.	Arnprior.
White, William	Peterborough.	Yuill, Archibald	Bracebridge.
Woods, A. L.	Kenora.	Yuill, William	Braeside.
White, John B.	Kippewa, Que.	Total, 1,369.	

AUBREY WHITE,
Deputy Minister.

REPORT

OF THE

Minister of Lands, Forests and Mines

OF THE

PROVINCE OF ONTARIO

For Year Ending 31st October

1910

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



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REPORT OF THE
Minister of Lands, Forests and Mines
OF THE
PROVINCE OF ONTARIO

For the Year Ending 31st October, 1910.

To His Honour THE HONOURABLE J. M. GIBSON,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of your Honour and the Legislative Assembly a report of the management of the Crown Lands of the Province for the year ending 31st October, 1910.

CLERGY LANDS.

The amount collected on account of sales of clergy lands was \$908.35. (See Appendix No. 3, page 7.)

COMMON SCHOOL LANDS.

The area of these lands sold during the year was 20½ acres for \$70.95. The collection on account of these and former sales was \$8,486.59. (See Appendix No. 3, page 7.)

GRAMMAR SCHOOL LANDS.

The area of these lands sold during the year was 16.40 acres for \$16.40. The collection on account of these and former sales was \$390.40. (See Appendix No. 3, page 7.)

UNIVERSITY LANDS.

The area of these lands sold during the year was 4,019.95 for \$2,109.35. The collection on account of these and former sales was \$1,072.08. (See Appendix No. 3, page 7.)

CROWN LANDS.

There was sold for agricultural purposes during the year 92,560 acres for \$127,151.01. There was collected on account of these and former sales \$104,949.35. There was sold for mining purposes 17,275.94 acres for \$425,331.53. There was collected on account of these sales \$327,160.12. There was leased for mining purposes 9,028.86 acres for \$10,249.39. There was collected on account of mining leases \$29,008.79. There were 4,782.77 acres leased for other than

mining purposes and collected on account of Crown Leases \$7,469.66. The total area of lands of the Crown disposed of during the year was 127,704.48, and the total collection on account of lands sold and leased was \$479,445.34. (See Appendix No. 3, page 7.)

The Temiskaming region has continued to attract the attention of settlers. As soon as the Transcontinental Railway is in operation there will no doubt be a large influx of people to the clay belt through which that railway runs.

The Porcupine discoveries and developments have caused considerable excitement, and large numbers of prospectors and others have been attracted to that region. The exploration and working of the mines will give employment to a great many people and create a market there for all kinds of natural products. The construction of the Porcupine Branch of the T. & N.O. Railway will not only give access to that region for mining purposes, but will open up as well a large area of land suitable for agricultural purposes.

The Department has continued and extended the system of inspection of lands taken up for settlement purposes in order to enforce the conditions of building, residence and clearing so as to prevent lands being held for speculation purposes, or the cutting of timber. Where settlement conditions are not carried out according to the regulations, the sales are cancelled, the lands resumed and again opened for sale. The knowledge that the Department intends to strictly enforce the performance of settlement conditions has had a good effect in causing people to go into residence upon their lands and remain there.

The further surveys and explorations which have been made in the clay belt have demonstrated the reasonableness of the estimates made of the area of land suitable for settlement in that immense region, which is destined to be one of the most valuable agricultural sections of the Province, capable of supporting a large population by the products of the soil, and incidentally causing manufactures and business of various kinds to spring up.

FREE GRANTS.

There are still considerable areas of land suitable for settlement available in the Free Grant districts, although in many of these districts the best land has been taken up. There is a desire on the part of many to move to the West and to the clay belt of Ontario, where the land is better and greater opportunities are available.

The Township of Wabigoon, near the Town of Dryden in the Rainy River District, has been opened for location, and part of the Township of Ware in the Thunder Bay District. The Department is, by inspection, enforcing the performance of settlement duties and cancelling those locations where there is a default in the conditions. The Department is also endeavoring to prevent lands that are unsuitable for farming being located merely for the purpose of getting the timber. The number of locations during the year has been 1,379 for 194,760 acres, and 946 locatees have earned and obtained their patents.

MILITARY GRANTS.

The total number of Military Certificates issued to date, under I. Edward VII., cap. 6, is 13,993.

Eighty-five Location Certificates were issued this year and 300 new locations were made, bringing the total number of locations to 7,495.

Ninety Certificates were surrendered to the Crown for \$50.00 each, making a total of 3,301 disposed of in this way.

Six hundred and fifty Certificates have been applied in payment for Crown Lands.

This, therefore, shows that 11,446 certificates have been redeemed, leaving 2,547 still outstanding.

When certificates were issued and assigned, assignees became liable to the performance of settlement duties, and this condition also applies where there was more than one military location to the mile in townships not specially opened for veteran locations.

Four hundred and thirty-four notices issued to military settlers and assignees of veterans calling upon them to show that they were in actual occupation and the nature of the duties they had performed upon the land, resulted in the cancellation of 261 locations for non-performance of conditions.

Patents were issued during the year for 1,238 locations, making a total of 3,889 patents issued to date.

THE MINING INDUSTRY.

The mining industry of the Province continues to expand. The two metals which lead in point of production are silver and nickel. The output of silver from the mines of Cobalt for the year ending 31st October, 1910, was nearly 27 million ounces. The total production of these mines since their opening in 1904 will, by 31st December, 1910, have amounted to 92 or 93 million ounces, having a value of say 50 millions of dollars. The ores of Cobalt are yet far from being exhausted, and may be expected to yield liberally for years to come.

The nickel mines of the Sudbury region have also been increasing their production, the quantity of nickel produced during the 12 months ending 31st October being about 19,000 tons, valued in the matte at \$3,860,000, in addition to about 9,400 tons of copper. The operating companies have improved their facilities for mining and smelting, and much the larger proportion of the world's supply of nickel now comes, and for several years past has come, from the mines of Ontario.

The discoveries of gold at Porcupine, noted in last year's Report, have undergone vigorous development during the year, and the results so far have encouraged the hope that the field may prove a valuable one. Shafts at various points have been sunk, and large stamp-mills for the treatment of the quartz are to be erected on the Hollinger and Dome properties. Doubtless other prospects will be similarly equipped should the indications of richness and permanency at depth be favorable. A branch of the Temiskaming & Northern Ontario Railway is to be constructed into Porcupine, and will afford the new field first-class facilities for getting in machinery and supplies.

It is a fortunate circumstance that the mineral regions of Ontario are well supplied with water-powers. So far as fuel is concerned, the evolution of a mining camp in Ontario is marked by three stages: first, that in which wood is used; second, coal; third, water-power. At the beginning of operations wood is usually abundant, but the available supply soon becomes exhausted, and the expense of bringing it from a distance makes the cost too great. Coal is then brought in by rail, but freights from Pennsylvania make it dear. The next step, should the apparent life of the camp warrant it, is to harness one or more of the numerous water-powers generally found in the vicinity, and ere long the mines and works are equipped with electrical power, at a cost of one-half or even one-third that of power

generated from coal. This has been the experience of the nickel mines at Sudbury, the silver field at Cobalt, the iron mines at Michipicoten, and the group of mineral industries in Hastings county, including pyrite and acid-making, talc, the manufacture of Portland cement, and the refining of Cobalt silver ores; not to mention the vast development of electrical power at Sault Ste. Marie and Niagara Falls.

COLLECTIONS.

The total collections of the Department from all sources for the year were \$2,951,428.58. Of this amount \$327,160.12 was derived from mining lands; \$246,529.13 from royalties; \$1,835,082.71 from woods and forests; \$143,209.59 from supplementary revenue; \$84,059.49 from mining licenses and \$109,622.99 from recording fees. (See Appendix No. 4, page 8.)

DISBURSEMENTS.

The gross expenditure of the Department for all services during the year was \$625,375.71. The principal services were: Agents' salaries and disbursements, \$49,791.94; forest ranging, \$77,503.95; fire ranging, \$128,634.05; forest reserves, \$78,245.30; mines and mining, \$21,295.80; explorations and investigations, \$17,578.55; mining recorders, \$32,597.90; surveys, \$129,338.51; veterans' commutation, \$2,050.00; refunds, \$13,587.21; parks, \$15,724.28; contingencies, \$27,594.11. (See Appendices Nos. 5 and 7, pages 10 to 34.)

WOODS AND FORESTS.

The total revenue from woods and forests for the year 1910 is \$1,835,082.71. Of this \$1,634,496.21 appears as timber dues: Depôts on account of timber sales, \$92,396.36; ground rent, \$104,326.64, and transfer bonus, \$3,863.50. It is proper to say that the item of timber dues includes approximately \$200,000 bonus as timber was cut. Had timber sales been by the mile, as formerly, this amount would have appeared under the head of bonus. Until all the accruals for the year are paid in, it is not possible to give the exact figures of bonus revenue, but if this \$200,000 is credited to bonus the fact remains that the collection of timber dues is still the largest in the history of the Department. The revenue for the year just closed is the first full year's revenue under the new system of having the financial year end on the 31st of October instead of the 31st of December, as formerly was the case. The revenue from ground rent is also the largest in the history of the Department, which is caused by the increase made in the amount of the annual ground rent payable from \$3. to \$5. per mile, which change took effect for the first time for the season of 1910-11. The charge for transfer bonus was also raised from \$3. to \$5. per mile, which sensibly increased the small revenue derived from this source. An Order-in-Council was also passed increasing the dues payable on timber when cut on those berths sold previous to 1890 from \$1. to \$1.50 per thousand feet board measure, but as this increase did not affect the cut of 1909-10 no benefit has been experienced from it this year. The revenue from bonuses was not as large as it would have been had the timber berths offered not been damaged by fire, and financial stringency prevailed, which made it necessary to make the deposits as low as possible so as to ensure competition for the damaged timber.

I pointed out in my last report that the system of issuing permits had been brought to an end, and in order that those engaged in lumbering who had invested

in large plants and mills should not have their investments wiped out, it was necessary to give them an opportunity to acquire timber at public sales in the ordinary way. The only permits now existing are on the Transcontinental Railway, where if the railway was to be built contractors had to be permitted to cut ties, etc.

During the past year very serious forest fires occurred in the territory west of Lake Superior, and a very considerable area was burnt over. A good deal of this territory had been lumbered over under authority of permit in years gone by, and the small quantity of timber remaining was not of a first quality, being rough and scattered. It was, however, important to get for the Province the money value of it. Immediately on receipt of information that fires had occurred rangers were put on to examine and estimate the territory, and surveyors were sent to define the berths so they might be offered for sale. The territory to be sold was cut up into very small berths so as to give the widest possible competition by allowing the small operator to come in. The damaged timber was sold by the thousand feet board measure. The timber being damaged and scattered, the prices were not as high as they would have been for green timber, and the licensees having large quantities of their own timber damaged which they had to take care of, the competition was not as keen as it otherwise would have been, but, having regard to all the circumstances, the sale was satisfactory.

During the past winter the cutting of timber damaged by fire in the Mississaga Forest Reserve was proceeded with under the supervision of a carefully selected staff of rangers and scalers appointed by the Department, whose count and measurements were final for revenue purposes. The considerable prices to be paid for this timber made it necessary that very close measurements should be made, and that the cutting should be carried on in an economical manner as respects the character and size of the trees to be cut, as well as making allowances for timber damaged by fire, and the other defects usually found in timber. In order to prevent disputes the cullers were required to put on the end of the log, in black chalk, the contents they allowed, so that the lumberman might see that he was getting a fair measurement, and the Crown ranger, whose business it was to check up the measurements of the cullers, might do so with readiness and thoroughness. Although there were differences of opinion between the operators and the Government scalers, they were not serious and the accounts were based on the measurements of the Department's officers. This system of measurement and supervision of cutting is now applied to all sales made by the thousand feet board measure system. It was estimated that the output for 1909-10 would be 100,000,000 feet in excess of the previous year. As a matter of fact, the output of Pine was about 142,000,000 in excess of 1908-09. The estimate for the present winter of 1910-11 is that there will be an increased output of about \$50,000,000 feet B.M.

FIRE RANGING.

During the past year an important departure was made in respect to fire ranging on licensed territory. The stumpage value of timber had greatly increased, but this increase had inured to the benefit of the timber licensees. The time seemed to have arrived when the licensees should bear the whole cost of the fire-ranging and protection of their timber. In considering the question of increasing timber dues and ground rent, the matter of the cost of fire-ranging came up, and it was understood and agreed to that the whole expense, except as regards printing literature, copies of the Fire Act, diaries, etc., should be borne by the licensees; therefore, this year, the timber licensees have borne the entire cost of

fire-ranging on licensed territory. There has, however, been no change in the supervision of the fire-ranging on licensed lands. The licensees have still to submit the number of men and the names of the fire-rangers they propose to employ, and the limits on which they are to be placed. The Department instructs the rangers as to the performance of their duties. It supplies them with literature and copies of the Fire Act,—pamphlet and poster. It clothes them with authority as Government officers; appoints them fish and game wardens, and furnishes them with diaries in which they have to enter their movements from day to day,—which diaries have to be sent in to the Department at the end of the season, verified by the affidavit of the rangers. Rangers are required to report all serious fires to the Department, as well as to the licensee. The Department requires that fire rangers shall be placed on all limits, and if the licensees fail to put them on, the Department undertakes that duty and charges the expense against the berths for which it appoints the rangers, and makes the charge a lien on the berth, which must be removed before a license will be renewed. The licensed territory is divided into districts of convenient size, for purposes of supervision, and experienced bush rangers are placed in charge of the fire rangers in each district. This superintendent has the direction and supervision of all fire rangers under his care; sees that they are placed on all limits; that they are discharging their duties properly, and generally represents the Department and the licensee. In the event of a serious fire taking place, the district ranger takes charge and directs the work of suppression, and on the fire being extinguished reports fully to the Department where the fire occurred, its cause (if it is possible to ascertain this), the quantity of timber damaged, and all other particulars. Thus it will be seen that the Department has not parted in the slightest degree with its supervision and control of the service,—the sole change being that the licensees pay the expense of fire-ranging on their licensed territory.

It may here be stated that there were no forest fires of any consequence on licensed territory east of Port Arthur during the past year. The supervision was evidently close, and the result satisfactory. There is no doubt that the constant presence of fire rangers, year after year, calling attention to the danger of setting out fire, inculcating a spirit of carefulness and responsibility, and the distribution of the Fire Act and other literature, has had an educative effect, and we are now reaping the benefit of this service by immunity from serious fires during the past year.

In the region west of Port Arthur, especially in the Fort Frances district, the summer was very dry and warm. Indeed it was said to be the driest summer for a period of thirty years. No rain fell and in consequence the forest was in a highly inflammable state. Serious forest fires took place on licensed territory there and on lands of the Crown, away from settlement or railways, and large quantities of Pine timber were seriously damaged. This timber is being taken out during the present winter, as the Department notified the licensees where the damaged timber was, and directed them to cut it, intimating that in the event of their failing to do so, they would be held accountable for the loss. Every effort was made to discover the cause of these fires, but in that immense region it is most difficult to ascertain who started it, or how any particular fire was set out. During such a dry summer as the past, fires may be expected to run with great rapidity, and the throwing down of a lighted match or cigarette would be sufficient to cause a conflagration of a serious character.

The railways have been blamed for carelessness, but, though careful enquiries were made, the Department was unable to bring home to any of them any carelessness.

ness in connection with their engines. Curious to note some of the most serious fires that occurred, were away from railway construction, settlement, or lumbering. On the other side of the boundary line, in the State of Minnesota, serious fires occurred, entailing great loss of life, and some of them crossed into Ontario. Fortunately we experienced no loss of life, although serious damage was done to the forest. There were on duty on licensed lands, during the past season, 427 fire rangers, all paid by the timber licensees.

FOREST RESERVES.

During the summer the usual fire-ranging staffs were placed on duty in the several forest reserves:—The Temagami, Mississaga, Nepigon, Quetico and the Eastern. On these reserves there were about 288 rangers on duty. In the Temagami Reserve, there has been great danger for some time, owing to the extensive exploring and mining for silver, which has been going on there, but during the past summer we have been fortunate enough to have escaped serious damage from fire. The explorers and miners, and summer tourists, of whom a great number visited this reserve during the summer months, appear to have exercised every care and precaution. At the northern end of this great reserve there has been great activity and prospecting incident to the gold discoveries which have taken place there. Next summer will no doubt see a tremendous influx of prospectors, miners and others, and we shall have to place a large staff on duty at that end of the reserve. It is possible that a railway will be constructed from the T. & N. O. into Porcupine at an early date, and there is also an agitation on foot to have a railway built into Gowganda, which will be an added source of danger. If we had not had very efficient fire-ranging in that reserve since the mining excitement began, the large quantity of Pine timber growing there would, in all probability, have gone up in smoke.

There have been no fires during the year in the Mississaga, the Nepigon or the Eastern Reserves, where adequate staffs of fire rangers were maintained. The great Nepigon Reserve is exposed to considerable risk, owing to the construction through the northern end of it of the Transcontinental railway. The Eastern Reserve has been carefully guarded and the forest growth is reported to be dense and thrifty on this territory, which was completely denuded of its Pine timber before being set apart as a Reserve. The Sibley Reserve is a small area, covering Thunder Cape,—the object being to keep that noble promontory clothed with timber. No fire has occurred there. The Quetico Reserve, in the Rainy River district,—the latest addition to our list of forest reserves,—suffered somewhat from forest fires during the past summer. As this reserve is away from settlement and railways, or lumbering, it was difficult to account for the fires, unless they had crossed from the Minnesota side, where serious fires raged for considerable periods. We had an adequate staff of rangers on duty in this Reserve, and every effort was made to protect it, and suppress fires when they occurred. We had to dispose of some areas in this Reserve, where the timber was seriously damaged, and it had to be cut to save its value for the Province. Serious fires occurred at other points in the Thunder Bay and Rainy River Districts. Altogether it was estimated that about one thousand miles of territory had been more or less damaged by fire. Part of this territory had been cut over some time ago under authority of permit,—some was partially cut over, and some was virgin territory. Our fire rangers had instructions to report at once to the chief rangers when fires occurred, and the chief rangers were requested to have estimates made of the damaged timber, and

the berths surveyed at the earliest possible moment, so that the timber could be advertised for sale and cut this winter, before becoming a total loss. The sale of the damaged timber, having regard to all the circumstances, was fairly satisfactory. The plain duty was to realize what we could for the Province, and this was promptly done. Some of the timber licensees had timber damaged on their own limits, which we were pressing them to cut, and consequently we had not the sharp competition for this damaged timber, that we otherwise would have had. We are expecting that the bulk of the seriously damaged timber will be cut this winter, and a further proportion next year, and that the actual waste may be kept considerably below 50,000,000 feet board measure.

RAILWAYS.

We have had large staffs of rangers along the Temiskaming and Northern Ontario, the Transcontinental, the Canadian Northern, and the Canadian Pacific. There is a very large number of men engaged in railway construction, through the northern part of the Province, from the boundary of Quebec to that of Manitoba,—a distance of nearly a thousand miles. A large percentage of this labor is foreign, with no knowledge of the laws or ways of this country,—not speaking English,—with no care or thought about the danger of using fire during the dry season, and yet constantly using it for a variety of purposes,—cooking, smudges, smoking and in other ways. The only hope of preventing this line of railway construction becoming a belt of fire, was by placing fire rangers along it, who constantly brought before the people employed the necessity for caution in the use of fire and extinguishing it when it had served its immediate purpose. The penalty of the law for neglect of care was also kept before these people, and the railway engineers, contractors and foremen, and all who were in authority were urged to keep before the labor element the danger from forest fires, and what they should do to prevent them. The presence of these fire rangers patrolling the line every day, kept their duty ever present to the railway authorities, and had an otherwise good effect upon the labor employed. If there had been no rangers there, fire would have been constantly, freely and dangerously used, and the forest alongside that road for a thousand miles would have become a waste.

There is a splendid spruce forest all along this line, capable of producing great traffic for the railway, inducing the erection of pulp and paper mills, and affording employment to thousands of people, who will, in the near future, find happy and prosperous homes in that great clay belt. It will require great effort and considerable expense to protect this timber, but it will well re-pay all the money spent for this purpose, if the timber is preserved.

The railways have been blamed as a prolific cause of forest fires. That railway construction causes forest destruction needs no argument, for the evidence in the back parts of the Province to those travelling through it, is plain to the eye. The authorities of all the great railways have assured the Department, time and again, that they are making every effort to prevent fires along their lines, and there is no doubt that this is true, as their property and public life are endangered by the occurrence of forest fires along lines of railway. The tremendous interest that has, for the past few years, been taken in the protection of the forest from destruction by fire, has no doubt spurred them on to every effort to prevent fires along their lines, and we may hope for more care, and a better state of affairs in the future.

The Conservation Commission of the Dominion is taking the matter up with a view to obtaining stringent legislation, to compel railways to exercise greater care,

and use better appliances than they have done in the past. We had about 200 fire rangers on duty along the various railway lines during the past summer. A proportion of the cost of these rangers was borne by the railways and a proportion by the Department.

The whole fire ranging staff on duty last summer on licensed lands, forest reserves, railways and Crown territory aggregated nearly one thousand men. It is a difficult matter, at the season of the year when fire rangers are most required, to obtain a number of well skilled bush men, who are educated and otherwise well-equipped for this work. In the early part of the summer, such men are still employed by the lumber companies in driving the streams, and again in the months of August and September, lumbering operations are beginning for the ensuing winter, and such men are looking for a winter's employment and will not stay on fire ranging when they can get better wages, and be sure of several months steady work. The Department has had to select a portion of its staff from other sources, and it has drawn upon the body of students at the School of Practical Science, at the University, and elsewhere for some of its fire rangers. These students are active men with some scientific training and give fairly good service, as soon as they get a little experience. If the Department could get thoroughly educated bush men with the necessary education and judgment, it would employ them to the exclusion of all others, but not being able to do that, it makes the next best selection possible. The men selected are put under competent chiefs, who fully instruct them in their work and see that they perform it. The greatest care is exercised in picking out the men best qualified for the position from those who apply. Higher attainments are being required each year, and stricter conditions enforced.

CULLERS' EXAMINATIONS.

Cullers' Examinations were held at North Bay, Kenora, Fort Frances and Port Arthur. Thirty candidates were successful at these examinations and were granted certificates, authorizing them to act as cullers.

(For list of cullers, see Appendix No. 37, page 104).

CROWN SURVEYS.

The following Crown Surveys have been undertaken this year:—

Instructions for sub-division of four townships were issued, namely:—

District of Sudbury, township of Machin, and part of the township of Alexandra, District of Nipissing, residue of the townships of Maisenville and Benoit.

Instructions were also issued to survey the islands in the Georgian Bay, in front of the townships of Harrison, Shawanaga, Conger, Wallbridge, McDougall, Carling, etc.

Instructions also issued for a number of base and meridian lines and township outlines in the districts of Algoma, Nipissing, Sudbury, Kenora, Mississauga Forest Reserve and Temagami Forest Reserve.

The base and meridian lines were in the district of Algoma and there were 163 miles run.

Survey of outlines of townships in the districts of Sudbury, Nipissing, Kenora, Mississauga Forest Reserve and Temagami Forest Reserve, 1,119 miles run.

A number of timber berths in the districts of Kenora and Thunder Bay have also been surveyed during the year.

The survey of the town plots at Superior Junction and Redditt, district of Kenora, and town plot at Missanabie, district of Algoma, have also been completed.

Several other minor surveys have been performed.

The reports of the surveyors so far as received and examined will be found in Appendices 16 to 33 inclusive, pages 47 to 97 inclusive.

MUNICIPAL SURVEYS.

On the petitions of the county council of Carleton instructions were issued to survey the town line between the townships of Nepean and North Gower. Of the city of Hamilton, instructions have been issued to survey certain concession road allowances formerly in the township of Barton, now in the city of Hamilton. Of the united counties of Stormont, Dundas and Glengarry to survey the boundary road allowance between the townships of Osnabruck and Cornwall. Of the municipal council of the township of Nepean to survey the original road allowance between lot 30, concession 2, Ottawa front, and lots lettered J, K, L, M and N, concession A, Rideau front, in the township of Nepean.

The following municipal surveys have been confirmed under the provisions of the Revised Statutes of Ontario, 1897, chapter 181, sections 14 and 15, such surveys being final and conclusive. Part of the line between the township of Waterloo and the township of Guelph. The original road allowance between the broken front and the 1st concession of the township of Barton. The lines of the streets in the town of Niagara. Concession road allowance between the 10th and 11th concessions of Winchester. The southern boundary of the town of Niagara. The boundary lines of McArthur Ave. through the village of Eastview in the township of Gloucester. The side road between lots 9 and 10 in the 12th concession of the township of Nottawasaga. The concession line between the 8th and 9th concessions of the township of Hinchinbrooke from lot 12 south to lot 8.

Particulars relating to these surveys will be found in Appendices No. 14 and 15, pages 44 to 46.

MINING AND OTHER SURVEYS.

The Mining Act of Ontario requires that applicants to purchase or lease mining lands in unsurveyed territory shall file in the Department surveyor's plans (in triplicate) of the proposed mining claims with field notes and description by metes and bounds, before any sale or lease can be carried out, and under Orders-in-Council, dated February 26th, 1906, 2nd October, 1907, 7th November, 1907, applicants to purchase islands, or locations for pleasure and summer resorts or for agricultural purposes in unsurveyed territory, are required to file surveyor's plans (in triplicate) of their islands or locations as the case may be, with field notes and descriptions by metes and bounds, together with the necessary affidavits as to there being no adverse claim by occupation or improvement, etc.

Under the above Act, Orders-in-Council and Regulations in the districts of Parry Sound, Nipissing, Sudbury, Algoma, Thunder Bay, Rainy River and Kenora, an area of 28,793.28 acres has been sold and patented during the year, for which the sum of \$172,851.69 has been received, and an area of 7,550.83 acres has been leased for the sum of \$8,180.17 as the first year's rental.

F. COCHRANE,

Minister.

Department of Lands, Forests and Mines.

Toronto, October 31st, 1910.

APPENDICES

Appendix No. 1.

Return of Officers and Clerks of the Department of Lands, Forests and Mines for the year ending October 31st, 1910.

Branch.	Name.	Designation.	When appointed.	Salary per annum.	Remarks.
Sales and Free Grants.....	Hon. F. Cochrane	Minister	1905, May 13.....	\$ 6,000 00	Resigned August 31st, 1910.
	Andrew White	Deputy Minister	1882, Jan. 1.....	4,000 00	
	George Kennedy	Law Clerk	1872, Feb. 1.....	2,600 00	
	George W. Yates	Minister's Secretary	1899, Feb. 26.....	2,000 00	
	E. S. Williamson	Secretary to Department	1889, May 1.....	1,750 00	
	Janet Garvie	Stenographer	1905, Jan. 1.....	1,700 00	
	M. M. McCrean.....	do	1907, April 12.....	600 00	
	J. J. Murphy	Chief Clerk	1872, May 1.....	2,100 00	
	Walter C. Cain.....	Clerk	1903, March 6.....	1,500 00	
	W. R. Ledger	do	1894, Feb. 5.....	1,150 00	
Military Grants.	Selby Draper	do	1903, Jan. 1.....	1,150 00	
	S. A. Platt	do	1907, March 13.....	950 00	
	F. Lucas	do	1909, March 24.....	900 00	
	F. Samuels	do	1909, March 24.....	700 00	
	May Bengough	Stenographer	1896, Oct. 23.....	675 00	
	Jean C. Oram	do	1907, Jan. 16.....	625 00	
	Nan McQueen	do	1909, March 24.....	600 00	
	R. H. Browne	Chief Clerk	1900, March 2.....	1,750 00	
	R. T. Winter	Clerk	1904, Jan. 13.....	950 00	
	E. M. Browne	do	1909, March 24.....	575 00	
Surveys and Patents.....	E. F. O'Neill	Stenographer	1904, Nov. 9.....	600 00	
	G. B. Kirkpatrick	Director of Surveys	1866, Jan. 30.....	2,500 00	
	J. F. Whitson	Surveyor and Draughtsman..	1892, Sept. 1.....	2,200 00	
	L. V. Lorke	Ass't Surveyor & Draughtsm'n	1909, May 1.....	2,000 00	
	W. F. Lewis	Clerk	1872, Feb. 5.....	1,200 00	
	D. G. Boyd	Draughtsman	1897, Sept. 27.....	1,400 00	
	E. M. Jarvis	Clerk	1904, Oct. 19.....	1,100 00	
	J. B. Proctor	do	1897, Jan. 15.....	1,000 00	
	H. Treeby	Draughtsman	1904, Jan. 13.....	1,050 00	
	F. C. Blanchet	do	1907, March 13.....	900 00	
Patents.....	J. L. Byrne	do	1909, March 24.....	900 00	
	Alexander Leaman	do	1909, March 24.....	900 00	

Woods and Forests ...	M. H. Kirkland	Stenographer	1904, Nov. 23.....	625 00
	E. G. Halliday	do	1909, March 24.....	575 00
	C. S. Jones	Chief Clerk	1890, May 22.....	1,850 00
	C. E. Burns	Clerk	1900, April 9.....	1,150 00
	W. S. Sutherland	Clerk	1902, Jan. 13.....	1,150 00
	W. Carrell	do	1904, Jan. 15.....	1,050 00
	A. E. Robillard	do	1894, May 8.....	900 00
	A. E. Roe	do	1909, March 24.....	900 00
	J. A. G. Crozier	Chief Clerk	1867, Dec. 1.....	2,100 00
	Kenneth Miller	Clerk	1891, Nov. 1.....	1,350 00
Accounts	J. B. Cook	do	1898, Aug. 1.....	1,500 00
	H. Gillard	do	1900, April 9.....	1,300 00
	F. J. Niven	do	1903, March 6.....	1,100 00
	W. F. Trivett	do	1904, Jan. 13.....	1,050 00
	R. H. Hodgson	do	1904, Nov. 23.....	1,000 00
	John Houser	do	1907, March 13.....	1,050 00
	A. J. Lamb	do	1907, March 13.....	900 00
	A. H. O'Neil	do	1909, March 24.....	800 00
	G. W. Harris	do	1909, March 24.....	800 00
	S. D. Meeking	do	1910, June 1.....	700 00
Bureau of Mines	Florence Lennon	Stenographer	1907, March 13.....	600 00
	Amy Thompson	do	1909, March 24.....	600 00
	Mary E. Bliss	do	1909, Sept. 1.....	500 00
	D. George Ross	Accountant	1861, April 15.....	2,300 00
	E. Leigh	Clerk	1873, Dec. 20.....	1,200 00
	H. M. Lount	do	1904, Jan. 13.....	1,300 00
	H. E. Johnston	do	1907, March 13.....	1,050 00
	H. G. Harris	do	1907, March 13.....	950 00
	C. J. Clarke	do	1907, March 13.....	950 00
	Frank Yeigh	Registrar	1880, March 1.....	1,500 00
Bureau of Mines	Chester Dies	Clerk	1907, March 13.....	950 00
	Thomas W. Gibson	Deputy Minister	1891, June 19.....	3,250 00
	R. D. Fisher	Secretary	1907, March 13.....	1,100 00
	W. H. Morris	Clerk	1907, March 13.....	950 00
	R. A. Sinclair	do	1907, March 13.....	950 00
	W. Lemoine	do	1908, April 8.....	1,950 00
	A. Burritt	do	1908, April 8.....	950 00
	Anne Moffatt	do	1901, March 1.....	900 00
	D. H. Barr	do	1907, March 13.....	950 00

Died January 10th, 1910.

Appendix No. 1.—Continued.

Return of Officers and Clerks of the Department of Lands, Forests and Mines for the year ending October 31st, 1910.

Branch.	Name.	Designation.	When appointed.	Salary per annum.	Remarks.
Bureau of Mines.	A. G. Scovill	Clerk	1909, March 24....	850 00	
	C. W. St. John	do	1910, April 14.....	800 00	
	Ethel Craig	Stenographer	1906, May 16.....	675 00	
	Flossie McDougall	do	1907, March 13....	625 00	
	J. L. McNaughton	do	1909, March 24....	625 00	
	H. Brophy	Messenger	1893, Oct. 1.....	750 00	

D. GEO. ROSS,

Accountant.

AUBREY WHITE,

Deputy Minister Lands and Forests.

Appendix No. 2.

List of Land Agents and Homestead Inspectors for the year ending October 31st, 1910.

Name.	Post office address.	District or county.	Date of appointment.	Salary per annum.	Remarks.
Baker, R. H.	Minden	Part of Victoria	1907, Oct. 1	\$ 350 00	
Barr, James	Fort Frances	Homestead Inspector	1906, Nov. 23	1,200 00	
Both, Charles	Denbigh	Part of Frontenac and Addington	1905, Oct. 20	100 00	
Brown, J. B.	Bracebridge	Homestead Inspector and Crown Land Agent	1905, July 28	900 00	
Byers, R. J.	Massey	Part of District of Sudbury	1905, July 3	500 00	
Buchanan, T.	Thessalon	do do Algoma	1901, Nov. 30	300 00	
Burnes, C. W.	Parry Sound	Homestead Inspector	1905, Nov. 15	900 00	
Campbell, W.	Stratton Station	Part of District of Rainy River	1897, Aug. 12	500 00	
Campbell, J. G.	Cochrane	do do Nipissing	1908, Nov. 19	500 00	
Chester, T.	New Liskeard	Homestead Inspector	1906, June 8	1,200 00	
Child, F. A.	Matheson	Part of District of Nipissing	1909, Jan. 8	500 00	
Dean, Thomas	Sault Ste. Marie	Homestead Inspector	1908, July 29	600 00	
Eastland, T. G.	Apsley	Part of County of Peterboro	1896, July 10	300 00	
Ellis, H. J.	Powassan	do District of Parry Sound	1909, May 21	500 00	
Freeborn, Dr. J. S.	Magnetawan	do do Parry Sound	1905, Nov. 10	500 00	
Grills, J. J.	New Liskeard	Lake Temiskaming, District of Nipissing	1905, July 3	500 00	
Groulx, R. J.	Chelmsford	Homestead Inspector	1906, May 7	600 00	
Hollands, C. J.	Fort Frances	Town Plot of Alberta and part of District of Rainy River			
Hughes, Thomas	Murillo	Homestead Inspector	1892, Oct. 12	300 00	
Jenks, James	Mattawa	Part of District of Nipissing	1908, July 20	600 00	
Jenkin, William	Emsdale	do do Parry Sound	1908, March 31	500 00	Died June 25th, 1910.
Keefer, H. A.	Port Arthur	do do Thunder Bay	1908, July 29	500 00	
Lemieux, J. A.	Bleazard Valley	do do Sudbury	1907, Oct. 30	500 00	
MacLennan, J. K.	Sudbury	do do Sudbury	1908, June 26	400 00	
McFayden, Alex	Emo	do do Rainy River	1905, July 3	500 00	
Parsons, W. J.	North Bay	do do Nipissing	1905, Sept. 8	500 00	
Philion, J. A.	Sturgeon Falls	do do Nipissing	1908, April 8	500 00	
Powell, F. R.	Parry Sound	do do Parry Sound	1907, Sept. 13	500 00	
Prince, Adam	Wilno	do do Renfrew	1907, May 31	500 00	
Pronger, R. H.	Dryden	do do District of Rainy River	1905, July 12	500 00	
Quenneville, I.	Sturgeon Falls	Homestead Inspector	1906, May 7	400 00	
			1906, May 7	600 00	

Appendix No. 2.—Continued.

List of Land Agents and Homestead Inspectors for the year ending October 31st, 1910.—Continued.

Name.	Post office address.	District or county.	Date of appointment.	Salary per annum.	Remarks.
Rothwell, B. J.	Sault Ste. Marie.	Part of District of Algoma.....	1909, March 1..	300 00	
Smith, James	Kenora	Homestead Inspector	1909, June 18..	3 00	per day while employed.
Small, Robert	Mattawa	Part of District of Nipissing	1910, June 30..	500 00	
Spry, W. L.	Kenora	do do Rainy River.....	1909, Sept. 21..	400 00	Also Mining Recorder.
Tait, J. R.	L'Amable	Part of Hastings.....	1869, May 28 ..	500 00	
Wilson, James	Kinmount	do do Peterboro.....	1905, May 31..	150 00	
Warren, D. B.	Pembroke	do do Renfrew.....	1905, July 3..	300 00	
Wright, E. A.	Warren	do do District of Sudbury	1905, July 14..	500 00	
Whybourne, W. E..	Marksville	do do St. Joseph Island.....	1905, April 7..	250 00	
Watson, T. P.	Englehart	Homestead Inspector	1905, May 10..	912 50	
Woollings, J.	Englehart	Part of District of Nipissing.....	1908, June 30 ..	500 00	

D. GEO. ROSS

Accountant.

AUBREY WHITE,

Deputy Minister Lands and Forests.

Appendix No. 3:

Statement of Lands Sold and Leased. Amount of Sales and Leases and Amount of Collections for the year ending October 31st, 1910.

Service.	Acres sold and leased.	Amount of sales and leases.	Collection on sales and leases.
Crown Lands:		\$ c.	\$ c.
Agricultural	92,560.06	127,151 01	104,949 35
Mining	17,275.94	425,331 53	327,160 12
Clergy Lands			908 35
Common School Lands	20.50	70 95	8,486 59
Grammar School Lands	16.40	16 40	390 40
University Lands	4,019.95	2,109 35	1,072 08
Leases:			
Mining	9,028.86	10,249 39	29,008 79
Crown	4,782.77	1,571 00	7,469 66
	127,704.48	\$566,499 63	\$479,445 34

D. GEO. ROSS.
Accountant.

AUBREY WHITE,
Deputy Minister Lands and Forests.

Appendix No. 4.

Statement of Revenue of the Department of Lands, Forests and Mines for the year ending October 31st, 1910.

Service.	\$	c.	\$	c.	\$	c.
LAND COLLECTIONS.						
<i>Crown Lands:</i>						
Agricultural	104,949	35				
Mining	327,160	12				
			432,109	47		
Clergy Lands	908	35				
Common School Lands.....	8,486	59				
Grammar School Lands.....	390	40				
University Lands	1,072	08				
			10,857	42		
<i>Rent:</i>						
Mining Leases	29,008	79				
Crown Leases	7,469	66				
			36,478	45		
Mining Licenses	84,059	49				
Recording Fees	109,622	99				
			193,682	48		
Royalties	246,529	13				
Provincial Mines	549	77				
			247,078	90		
<i>Supplementary Revenue:</i>						
Acreage Tax	15,394	14				
Profit Tax	120,687	54				
Gas Tax	7,127	91				
			143,209	59		
WOODS AND FORESTS.						
Bonus			92,396	36		
Timber Dues			1,634,496	21		
Ground Rent			104,326	64		
Transfer Fees			3,863	50		
					1,835,082	71
Provincial Assay Fees	890	21				
Casual Fees	1,420	64				
Cullers' Fees	384	00				
			2,694	85		
Rondeau Park	5,256	00				
Algonquin Park	3,806	25				
Forest Reserves	930	50				
			9,992	75		
REFUNDS.						
Bureau of Mines			4	00		
Wood Ranging			4,372	99		
Fire Ranging			29,553	80		
Diamond Drill			5,671	82		
Special Services and Unforeseen Expenses			21	00		
Agents' Salaries			390	00		
Explorations and Investigations			81	50		
Mining Recorders			5	00		
Exploration and Estimation of Timber Berths			67	20		
Special Surveys in Mining Districts			24	95		
Commissions re Sundry Investigations			49	70		
					40,241	96
					2,951,428	58

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 5.

Statement of Receipts of the Department of Lands, Forests and Mines for the year ending October 31st, 1910, which are considered as Special Funds.

Service.	\$ c.	\$ c.
<i>Clergy Lands.</i>		
Principal.....	420 73	908 35
Interest.....	487 62	
<i>Common School Lands.</i>		
Principal.....	2,707 69	8,486 59
Interest.....	5,778 90	
<i>Grammar School Lands.</i>		
Principal.....	171 15	390 40
Interest.....	219 25	
<i>University Lands.</i>		
Principal.....	904 90	1,072 08
Interest.....	167 18	
		\$10,857 42

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 6.

Statement of Disbursements of the Department of Lands, Forests and Mines for the year ending October 31st, 1910.

Service.	\$ c.	\$ c.	\$ c.
AGENTS' SALARIES.			
<i>Land.</i>			
Baker, R. H.	350 00		
Both, Charles	100 00		
Brown, J. B.	900 00		
Buchanan, Thomas	300 00		
Byers, R. J.	500 00		
Campbell, J. G.	500 00		
Campbell, William	500 00		
Child, F. A.	500 00		
Eastland, T. G.	300 00		
Ellis, H. J.	500 00		
Freeborne, J. S.	500 00		
Grills, J. J.	500 00		
Hollands, C. J.	300 00		
Jenks, James	333 34		
Jenkin, William	500 00		
Small, R.	166 66		
Keefer, H. A.	500 00		
Lemieux, J. A.	400 00		
McFayden, Alex	500 00		
MacLennan, J. K.	500 00		
Parsons, J. W.	500 00		
Phillion, J. A.	500 00		
Powell, F. R.	500 00		
Prince, Adam	500 00		
Pronger, R. H.	366 66		
Rothwell, B. J.	300 00		
Spry, W. L.	360 29		
Tait, J. R.	500 00		
Warren, D. B.	300 00		
Whybourne, W. E.	250 00		
Wilson, James	150 00		
Woollings, Joseph	500 00		
Wright, E. A.	500 00		
		13,876 95	
<i>Timber.</i>			
Christie, W. P.	1,600 00		
Hawkins, S. J.	1,400 00		
Henderson, Charles	1,600 00		
Howie, R. J.	1,100 00		
Johnson, S. M.	1,600 00		
McDonald, Hector	1,400 00		
McDougall, James T.	1,600 00		
Margach, William	1,600 00		
Maughan, Joseph	1,400 00		
Oliver, J. A.	1,500 00		
Stevenson, A.	1,400 00		
Watts, George	1,270 00		
MacDonald, S. C.	133 33		
		17,603 33	
<i>Homestead Inspectors.</i>			
Barr, James	1,200 00		
Burnes, C. W.	900 00		
Chester, Thomas	1,200 00		
Dean, Thomas	600 00		
Carried forward	3,900 00	31,480 28	

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>	3,900 00	31,480 28	
<i>AGENTS' SALARIES.—Concluded.</i>			
<i>Homestead Inspectors.—Concluded.</i>			
Groulx, R. J.	600 00		
Hughes, Thomas	600 00		
Quenneville, I.	600 00		
Smith, James	228 00		
Watson, T. P.	912 50		
		6,840 50	
<i>AGENTS' DISBURSEMENTS.</i>			
<i>Land.</i>			
Baker, R. H.	4 08		
Brown, J. B.	143 15		
Buchanan, Thomas	11 00		
Byers, R. J.	18 58		
Campbell, J. G.	20 25		
Campbell, William	34 60		
Child, F. A.	26 40		
Freeborne, J. S.	10 40		
Grills, J. J.	18 49		
Jenkin, William	5 64		
Keefer, H. A.	60 95		
McFayden, A.	71 23		
Parsons, W. J.	11 75		
Phillion, J. A.	10 74		
Powell, F. R.	14 00		
Prince, Adam	15 50		
Pronger, R. H.	30 15		
Spry, W. L.	609 80		
Warren, D. B.	2 50		
Woollings, Joseph	18 50		
		1,137 71	
<i>Timber.</i>			
Christie, W. P.	306 97		
Hawkins, S. J.	402 06		
Henderson, Charles	560 90		
Howie, R. J.	341 61		
Johnson, S. M.	210 40		
McDonald, Hector	361 60		
McDougall, J. T.	345 00		
Margach, William	2,273 26		
Maughan, J.	541 95		
Oliver, J. A.	1,360 33		
Stevenson, A.	592 12		
Watts, George	684 35		
		7,980 55	
<i>Homestead Inspectors.</i>			
Barr, James	440 55		
Burnes, C. W.	525 13		
Chester, Thomas	213 47		
Dean, Thomas	11 00		
Groulx, R. J.	197 75		
Hughes, Thomas	175 65		
Quenneville, I.	31 75		
Smith, James	240 50		
Watson, T. P.	314 20		
		2,150 00	
<i>Carried forward</i>		49,589 04	

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		49,589 04	
<i>AGENTS' DISBURSEMENTS.—Concluded.</i>			
<i>Miscellaneous.</i>			
Ames, D. H., Caretaker Islands in Dog and Lough- borough Lakes	20 00		
Black, W. D., Inspection E. ½ 13 in 13, Sheffield..	10 00		
Bilton, George, Caretaker of Islands in Mud and Loon Lakes	25 00		
Campbell, R. S., Inspection 4 in 10, Montague....	8 00		
Davis, Samuel, Caretaker of Islands in Leonard Lake	20 00		
Guthrie, William, Caretaker of Islands in Devil's Lake	28 50		
Lee, J. B., Inspection of Gravel Pit.....	4 65		
Langworthy & McComber, Valuating Railway Reserve	25 00		
Marchildon, Thomas, Inspection of 17 and 18 in 20, Tiny	2 00		
Pyke, B. J., Inspection of lots in Warwick.....	49 25		
Sheppard, H. E., Inspection of Road Houses.....	10 50	202 90	
			49,791 94
<i>OTTAWA.</i>			
Darby, E. J., Agent		1,500 00	
Larose, S. C., Clerk		1,000 00	
Rent	375 00		
Disbursements	37 02	412 02	
			2,912 02
<i>WOOD RANGING.</i>			
Allen, R. A.		1,550 00	
Ansley, J. J.		1,260 00	
Ansley, W. E.		850 00	
Arnill, William		815 00	
Aylward, James		750 00	
Barrett, Thomas	1,250 00		
Disbursements	54 45		
		1,304 45	
Bates, Robert		424 00	
Baulk, G. R.		304 00	
Berlinquet, Jules		584 00	
Binnie, Thos.		268 00	
Bliss, C. L.		348 00	
Bliss, L. E.	780 00		
Disbursements	60 70		
		840 70	
Buile, D.		85 00	
Buisson, William		610 00	
Burd, J. H.		80 00	
Burt, W.		2 40	
Carter, George		795 00	
Castonguay, A. C.		950 00	
Charette, W. H.		564 00	
Chenier, D. A.		855 00	
Clark, D.		240 00	
Comer, B. F.		604 00	
Corrigan, R. T.		1,185 00	
Coyne, P.		875 00	
Daniels, R.		402 50	
Dickie, D.		440 00	
<i>Carried forward</i>		16,986 05	52,703 96

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		16,986 05	52,703 96
<i>WOOD RANGING.—Continued.</i>			
Didier, H.		695 00	
Doyle, T.		205 00	
Doyle, William		36 60	
Dougherty, G. M.		165 00	
Dougherty, J. P.		75 00	
Dupuis, A.		196 00	
Durrell, William		1,350 00	
Duval, C. A.		395 00	
Ferguson, A. E.		815 00	
Fisher, George		725 00	
Fitzgerald, E. C.	785 00		
Disbursements	51 65		
		836 65	
Foster, E. G.		502 88	
Fraser, W. A.		1,120 00	
Gamey, W. H.		705 00	
Gorman, J. P.	912 12		
Disbursements	60 25		
		972 37	
Greer, S. H.		725 00	
Hart, J. I.		700 00	
Hartley, C.		1,180 00	
Hatch, J. W.		120 00	
Henderson, C.		10 29	
Huckson, A. H.		1,160 00	
Humphreys, John		396 00	
Hurdman, W. H.		730 00	
Hutton, John		725 00	
Irving, Ed.		636 00	
Irwin, C. W.		56 25	
Johnson, R. E.		784 00	
Lee, J. B.		775 00	
LeBrown, D.		404 00	
Legris, John		660 00	
Londry, W. E.		405 38	
Long, H. E.		710 00	
Macdonell, R. D.		685 00	
McAuley, W. D.		734 23	
McDonald, A. J.	1,236 00		
Disbursements	137 60		
		1,373 60	
McDonald, H.		5 00	
McDonald, Thomas		250 00	
McDonald, J. A., Estate		151 65	
McCall, A.		504 00	
McCaw, John		1,475 00	
McGillivray, D. D.		680 00	
McGregor, C. F.		280 00	
McKenzie, R.		488 00	
McLeod, W. A.		815 00	
McNabb, Alex.		905 00	
McNabb, A. D.		261 54	
McPherson, J. S.		1,170 00	
McWhinney, F. H.		488 00	
Manice, W.		1,300 00	
Margach, J. A.		150 00	
Margach, William, Disbursements		182 60	
Martin, E.		810 00	
<i>Carried forward</i>		48,666 09	52,703 96

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward.....</i>		48,666 09	52,703 96
<i>WOOD RANGING.—Continued.</i>			
Matheson, William		500 00	
Menzies, Alex.		1,160 00	
Miller, William	108 00		
Disbursements	3 20		
		111 20	
Milway, J. H.		1,370 00	
Molyneaux, G.		730 00	
Morley, Charles		500 00	
Morley, F. W.		132 00	
Mulroney, W. J. & G.	1909	8 10	
Murray, William	1,410 00		
Disbursements	39 50		
		1,449 50	
Nash, John		248 00	
Nevison, W. H.		496 00	
Niblet, James		1,025 00	
Oliver, J. A.		7 58	
Paul, C. A.		781 34	
Pigott, J. A.		940 00	
Pender, D.		730 00	
Porter, H.	86 00		
Disbursements	43 80		
		129 80	
Purdy, John		590 00	
Revell, L. O.		215 00	
Ridley, Robert		830 00	
Rogers, F. W.		85 00	
Rusk, Oscar		1,065 00	
Scott, W. W.		60 00	
Shaw, Alfred		835 00	
Shields, F.		400 00	
Shortt, James		224 00	
Shouldice, John	111 00		
Disbursements	41 00		
		152 00	
Simmons, A. G.		800 00	
Simpson, William		685 00	
Smith, J. D. C.	945 00		
Disbursements	178 05		
		1,123 05	
Spearman, Thomas		70 00	
Sproule, N.		395 00	
Stuart, John		360 00	
Strave, A. M.		400 00	
Thompson, George S.		905 00	
Thompson, W. B.		335 00	
Thompson, I. E.		105 76	
Tucker, L. A.		356 00	
Urquhart, A.		970 00	
Vincent, H. T.		1,305 00	
Wagner, F.		610 00	
Ward, James		365 00	
Watts, George, Disbursements		8 80	
Webster, H. R.		264 00	
Whelan, P. J.		1,585 00	
White, A. T.		265 00	
Wilkins, C. H.		240 00	
Wilkins, G. N.		690 00	
<i>Carried forward</i>		75,278 22	52,703 96

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		75,278 22	52,703 96
WOOD RANGING.— <i>Concluded.</i>			
Wilson, F. G.		264 00	
Wood, W. D.		931 73	
Yuill, T.		1,030 00	
			77,503 95
EXPLORATION AND ESTIMATION OF TIMBER BERTHS.			
Burns, William, Disbursements		14 40	
Fraser, Duncan		200 00	
Kennedy, W. C.	308 00		
Disbursements	160 61		
		468 61	
McCreight, John		594 45	
Margach, William		513 18	
Henderson, Charles	250 00		
Disbursements	921 75		
		1,171 75	
Thompson, W. B.	570 00		
Disbursements	75 45		
		645 45	
Taylor, John		25 40	
			3,633 24
ESTIMATING TEMAGAMI RESERVE.			
Kennedy, W. C.		378 00	
Disbursements		174 76	
			552 76
FIRE RANGING.			
Acton, M. M.	300 00		
Disbursements	1 50		
		301 50	
Adam, Alex.		427 50	
Adams, Arthur .....1909		131 00	
Alison, M. B.		422 50	
Ambrose, A. W. ....1909		131 00	
Anderson, Frank .....1909		131 00	
Anger, Leon		387 00	
Anglin, G. E.		335 00	
Archambault, G.		285 00	
Archer, John .....1909		36 00	
Archer, George .....1909		76 00	
Armstrong, D. J.	77 50		
Disbursements	30 50		
		108 00	
Armstrong, T. C.		395 00	
Arnott, George .....1909		87 00	
Aubin, George .....1909		105 00	
Baker, Ben. ....1909	126 00		
Disbursements	4 00		
		130 00	
Baker, Herbert		382 50	
Baird, James McC.		287 50	
Baird, S.		62 00	
Barrett and Sargeant		9 00	
Barry, H.		280 00	
Bates, R.		277 50	
Baumann, Theo. ....1909		125 00	
<i>Carried forward</i>		4,912 00	134,393 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		4,912 00 ¹ / ₂	134,393 91
<i>FIRE RANGING.—Continued.</i>			
Beys, Morgan		405 00	
Beaton, W. H. ....1909		131 00	
Beaudry, John ....1909		131 00	
Belanger, E. ....1909		297 50	
Bell, Thomas ....1909		82 00	
Bellow, Louis ....1909		131 00	
Benhome, Louis ....1909		79 00	
Bentham, William		412 50	
Bernard, Michael ....1909		77 00	
Binnette, J. ....1909		44 00	
Bird, John ....1909		131 00	
Birmingham, E. A.	90 00		
Disbursements	25 95		
		115 95	
Bisaillon, J.	415 00		
Disbursements	152 61		
		567 61	
Bisaillon, J. H.	1,285 00		
Disbursements	57 40		
		1,342 40	
Bliss, L. E. ...	1,141 55		
Disbursements	513 59		
		1,655 14	
Brasher, S. M.		397 50	
Brazeau, O.		382 50	
Breadon, H. M.		320 00	
Brenchley, J.		29 15	
Brignall, W. M.		280 00	
Brown, Ed.		65 00	
Brown, Henry ....1909		131 00	
Brown, Thomas		387 50	
Brown, T. E.		382 50	
Bruce, George		425 00	
Brunet, Alphonse		402 50	
Brogden, Lawrence		45 00	
Buchanan, Robt. F.		382 50	
Burns, Gordon		327 50	
Boivin, Joseph		270 00	
Boldt, A.		432 50	
Bookout, H.		380 00	
Booth, Robert ....1909		24 50	
Booth, J. R. ....1909		2 00	
Borron, Arthur ....1909		109 50	
Bouchard, Nicholas		412 50	
Boucher, Joseph ....1909		131 00	
Bourgard, Adolphe ....1909		132 00	
Bouchey, Arthur ....1909		97 00	
Boyd, John ....1909		83 00	
Boyd Lumber Co. ....1909		88	
Boynton, John ....1909		124 00	
Brannan, W. H. ....1909		87 00	
Burns, Walter		485 60	
Burron, E. M. ....1909		131 00	
Bythell, J. R.		375 00	
Cahill, James		257 50	
Calrns, B.		125 00	
Campbell, Duncan		400 00	
Campbell, Fred.		320 00	
<i>Carried forward</i>		18,851 73	134,393 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		18,851 73	134,393 91
<i>FIRE RANGING.—Continued.</i>			
Campbell, Henderson .....1909		130 00	
Campbell, Walter		377 50	
Campbell, J. L.	430 00		
Disbursements	122 36		
		552 36	
Canning, James .....1909		75 00	
Carey, James .....1909		92 00	
Carnochan, Gordon		402 50	
Carpenter, Joe		122 00	
Carruthers, R.		375 00	
Carson, G. M.		355 00	
Cassidy, James		394 00	
Cassidy, Michael .....1909		22 00	
Cayen, Baptiste		375 00	
Chambers, J. K.		405 00	
Chambers, Thomas		402 50	
Chapman, C. N.		285 00	
Charron, Joseph .....1909		131 00	
Chatson, Fred. ....1909		131 00	
Cheeseman, William .....1909		111 00	
Chenier, Emile		380 00	
Chenier, D. A.		413 00	
Chittick, W. J.	522 50		
Disbursements	22 85		
		545 35	
Chretien, Napoleon		222 50	
Cole, J. J.		380 00	
Collins, Charles .....1909		131 00	
Colloton, R. B. ....1909		70 00	
Connelly, Daniel .....1909		30 00	
Connolly, Harold		397 50	
Conture, N. ....1909		102 00	
Cornett, F. W.		345 00	
Cote, C. A. E. ....1909		131 00	
Couch, Wellington		75 00	
Coulter, Charles		380 00	
Cousineau, A.		415 00	
Coyne, Phil.	644 00		
Disbursements	14 85		
		658 85	
Cross, Jule		387 50	
Culhane, Dan. ....1909		109 00	
Cullen, M. T. ....1909		131 00	
Currie, John C. ....1909		131 00	
Cunningham, W. A.		225 00	
Cuyler, W.		247 50	
Dagan, John		97 50	
Daley, John .....1909		88 00	
Daniels, Ralph		672 00	
Darling, Thomas, & Son .....1909		158 63	
Davie, George		402 50	
Dedine, Joel		392 50	
Degagne, C.		340 00	
Demeras, J.		92 00	
Dennison, H. J. ....1909		131 00	
Deschaine, Antoine		407 50	
D'Eye, Henry .....1909		23 27	
Dickinson, Thomas		177 50	
<i>Carried forward</i>		32,479 19	134,393 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		32,479 19	134,393 91
<i>FIRE RANGING.—Continued.</i>			
Didier, Hector	1909	52 00	
Dillabough, Jacob	1909	37 00	
Dixon, John H.		300 00	
Dobie, Alex. R.	1909	72 00	
Donald, Robert		405 00	
Dougherty, A. E.		415 00	
Doyle, John	1909	111 00	
Doyle, T. J.	1909	131 00	
Draycott, E. A.	1909	65 00	
Draycott, F. W.	1909	106 00	
Duff, J. M.		312 50	
Dugan, J. K.		400 00	
Duncan, E. J.	1909	131 00	
Durnin, E. W.		327 50	
Dyson, W.		380 00	
Eady, Robert S.	1909	88 00	
Eady, Peter	1909	61 00	
East, W. J.		390 00	
Ebert, John	1909	72 00	
Eddy Bros. & Co.	1909	40 00	
Eilber, George		397 50	
Elliott, Jackson		405 00	
English, John		395 00	
Ethier, Wilfred	1909	58 00	
Ethier, Augustin	1909	16 00	
Evans, Ed.		300 00	
Faulkner, Jacob	1909	90 00	
Favreau, George	1909	131 00	
Ferguson, William		432 50	
Ferguson, George		412 50	
Fisher, George		568 00	
Fitzhenry, John	1909	131 00	
Flynn, Frank	1909	130 00	
Foley, Welch and Stewart	1909	35 83	
Forsyth, O. G.		285 00	
Fox, James		345 00	
Fraser, Donald		397 50	
Fraser, William		247 00	
Gagne, F.		915 50	
Disbursements		67 28	
		982 78	
Gagnon, Felix,	1909	132 00	
Gale, W. G.		402 50	
Gardiner, John	1909	131 00	
Gavin, Henry	1909	86 00	
Gemmill, John		200 00	
Georgian Bay Lumber Co.	1909	67 00	
Gill, William		380 00	
Glandon, Napoleon	1909	131 00	
Godin, Moise	1909	79 00	
Gongeon, Arsene	1909	131 00	
Golden Lake Lumber Co.	1909	25 00	
Gordon, George, & Co.	1909	692 68	
Gordon, H. V.		335 00	
Gordon, Thomas		307 50	
Gordon, W. M.		200 00	
Gorman, M. D.	1909	131 00	
Granton, James		367 50	
<i>Carried forward</i>		45,932 98	134,393 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		45,932 98	134,393 91
<i>FIRE RANGING.—Continued.</i>			
Graves, Frank .....1909		69 00	
Graves, Bigwood & Co. ....1909		1 50	
Grawberger, Thomas .....1909		134 00	
Gray, E. E. ....Thomas		370 00	
Green, John .....1909		90 00	
Griffin, James .....1909		111 00	
Guertin, Oliver .....1909		131 00	
Guthrie, William		432 50	
Hall, Thomas		432 50	
Hamilton, Robert		337 50	
Hand, Thomas		500 00	
Hardy, Frank		470 00	
Harrison, Arthur		345 00	
Hawley, James .....1909		105 00	
Hayden, George F. ....1909		402 50	
Hebert, Louis		360 00	
Henderson, C. E. ....1909	215 00		
Disbursements	94 00		
		309 00	
Henderson, John .....1909		124 00	
Herringer, W. J. ....1909		375 00	
Hervieux, Joseph .....1909		79 00	
Hickey, James L. ....1909		122 00	
Hicks, Stewart .....1909		96 00	
Higgins, Douglas G. ....1909		400 00	
Higley, C. E. ....1909		270 00	
Hodder, Leslie		285 00	
Hodge, William Ray		265 00	
Hornick, George		457 50	
Howett, John		300 00	
Hughes, Gordon		332 50	
Hughes, William .....1909		89 00	
Humphrey, W. ....1909		205 00	
Hurd, A. ....1909		22 00	
Hurtubise, Augustine		386 50	
Husband, A. C. ....1909		307 50	
Hutton, Harold L. ....1909		312 50	
Irish, William		382 50	
Jamieson, Kenneth		390 00	
Jarvis, H. R. ....1909		382 50	
Jeffrey, William		380 00	
Jenks, Charles		325 00	
Johncox, Stephen .....1909		122 00	
Johnson, George N. ....1909		392 50	
Johnson, Thomas .....1909		98 00	
Jones, Robert		327 50	
Jordan, William		365 00	
Judge, Selwyn E. ....1909		265 00	
Jury, J. C. ....1909		397 50	
Kelly, William .....1909		105 00	
Kennedy, Claude		402 50	
Kerr, Oliver .....1909		131 00	
Kiely, Michael		417 50	
Kirkpatrick, Peter		212 50	
Kingsley, Ferdinand		397 50	
Kohl, A. ....1909		317 50	
Kruger, August		392 50	
Labelle, Adolphe		425 00	
<i>Carried forward</i>		61,590 48	134,393 91
3 L.M.			

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		61,590 48	134,393 91
<i>FIRE RANGING.—Continued.</i>			
Labine, Emile .....1909		90 00	
Lafleur, William .....1909		131 00	
Lalonde, E.		170 00	
Lambert, Henry .....1909		21 00	
Lampson, Lyman		397 50	
Langevin, Joseph .....1909		139 00	
Langley, E.		85 00	
Langdon, Herbey		397 50	
Larkins, Edward .....1909		131 00	
Lawson, David .....1909		104 00	
Laurien, C.		380 00	
Laurien, J.		380 00	
Lavoie, Ben. ....1909		131 00	
Leach, W. J.		315 00	
Lee, James B.	949 25		
Disbursements	184 34		
		1,133 59	
Legris, John	725 00		
Disbursements	240 59		
		965 59	
Lennox, Thomas A.		315 00	
Lentz, W. H. ....1909		62 00	
Little, Peter .....1909		131 00	
Locheed, Ralph		390 00	
Logneed, R. J.		397 50	
Loiselle, Peter		415 00	
Long, H. E.	472 00		
Disbursements	53 40		
		525 40	
Lower, A.		325 00	
Lunam, Thomas E. ....1909		105 00	
Lunan, William		397 50	
Luton, R. M.		337 50	
Lyle, J.		114 00	
Lyttle, John C.		220 00	
McAvoy, Michael .....1909		69 00	
McCagherty, J. P. ....1909		101 00	
McCallum, Frank .....1909		77 00	
McCann, Philip .....1909		131 00	
McConnell, Eric .....1909		91 00	
McCormack, R.		337 50	
McCullough, C.		397 50	
McCullough, D. J.		440 00	
McDermott, T. J.		132 00	
McDermott, W. B.		350 00	
McDonald, Charles		400 00	
McDonald, Joseph		202 50	
McDonald, Joe		225 00	
McDonald, James A. ....1909		15 00	
McDonald, Roderick .....1909		123 00	
McDougall, J. T., Disbursements		62 19	
McFadden, Ed. ....1909		131 00	
McFaul, Lawrence		325 00	
McGhie, Charles .....1909		131 00	
McGown, Thomas .....1909		123 00	
McGregor, Thomas .....1909		73 00	
McIntyre, J. E. ....1909		98 00	
<i>Carried forward</i>		74,331 25	134,393 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		74,331 25	134,393 91
FIRE RANGING.—Continued.			
McKenzie, Robert	395 00		
Disbursements	122 87		
		517 87	
McKim, Robert		112 00	
McKinnon, H.		392 50	
McLaren, W. E.		410 00	
McLaughlin, John S. ....1909	80 00		
Disbursements	25 10		
		105 10	
McLeod, Angus	1909	91 00	
McLeod, John	1909	79 00	
McLean, Clarence		127 50	
McLean, Malcolm		360 00	
McMillan, Ainslie	1909	124 00	
McMurray, James		362 50	
McNally, Andrew		117 50	
McNulty, George		365 00	
McPhee, Hugh	1909	131 00	
McRae, Duncan		461 00	
McRae, J. D.	1909	171 75	
Macavoy, Patrick		312 50	
MacDonald, J. D.		143 00	
MacDonell, R. D.		560 00	
MacGillivray, E. F.		222 00	
MacNeil, E. R.		387 50	
Maguire, T. C.		357 50	
Mallory, George	1909	24 00	
Malone, Gerald M.		262 50	
Maltby, William	1909	6 00	
Manes, John	1909	105 00	
Manes, Edward F.	1909	105 00	
Margach, William, Disbursements		124 50	
Marks, W.	1909	54 00	
Marston, William		402 50	
Martin, M.,	1909	128 00	
Matte, Joseph		437 50	
Mayer, O. A.		222 50	
Menard, Napoleon		380 00	
Mickle, Dymont & Son		36 00	
Millichamp, T. A.	736 00		
Disbursements	105 92		
		841 92	
Miller, R. R.		405 00	
Miller, A.		335 00	
Mills, Robert	1909	82 00	
Milway, J. H.		65 00	
Mole, Herman		320 00	
Mongeon, Alex.	1909	131 00	
Montreuil, Louis	1909	123 00	
Moriarity, Michael	1909	131 00	
Moore, B. F.		382 50	
Moore, James		287 50	
Morand, Louis		415 00	
Mosley, Edward	1909	124 00	
Mowat, James	1909	107 00	
Murphy, Charles	1909	127 00	
Nadon, Damase		387 00	
Neely, A. H.		357 50	
<i>Carried forward</i>		87,150 39	134,393 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		87,150 39	134,393 91
<i>FIRE RANGING.—Continued.</i>			
Newman, R. J. ....1909		92 00	
Newburn, William		400 00	
Noiseau, F. ....1909		134 00	
Noonan, John ....1909		69 00	
Nundy, George		390 00	
O'Brien, M. ....1909		146 00	
O'Connor, Lawrence	127 50		
Disbursements	19 35		
		146 85	
Odjick, William ....1909		86 00	
O'Malley, David		397 50	
O'Neil, Samuel ....1909		110 00	
Oliver, J. A. ....1909		1,269 51	
Onegut, Joseph		467 50	
Orr, William ....1909		43 00	
Oswald, Thomas ....1909		91 00	
Ouelette, Frank		430 00	
Page, George ....1909		131 00	
Paisley, Lorenzo ....1909		131 00	
Paquette, O. ....1909		131 00	
Parcher, Cyrus ....1909		25 00	
Parker, William ....1909		131 00	
Patterson, Bryson C. ....1909		400 00	
Peloquin, Norbert		375 00	
Pelot, John ....1909		130 00	
Pembroke Lumber Co. ....1909		3 00	
Phead, Dennis		170 00	
Pigeon, Charles		445 00	
Pilon, Xavier		390 00	
Pingle, Alex. ....1909		407 50	
Piskey, D. ....1909		50 00	
Plourde, Charles ....1909		43 00	
Poulin, Noe		327 50	
Poulin, William		318 75	
Powell, John, Jr. ....1909		142 50	
Prevost, David		380 00	
Price, Percy		400 00	
Pronger, J. F. ....1909		205 00	
Proulx, A. ....1909		247 50	
Quesnel, Fred. ....1909		415 00	
Quilty, J. J. ....1909		417 50	
Raycott, Thomas		131 00	
Reynolds, Harry		232 50	
Reynolds, Napoleon		390 47	
Reynolds, Norman		395 00	
Richardson, E. A. ....1909		335 00	
Richardson, Sylvester		370 00	
Ringle, Hugh		154 00	
Robertson, Bruce		312 50	
Robinson, H. P. ....1909		322 50	
Rochford, Adolph		430 00	
Rockall, F. W. ....1909		387 50	
Rodden, M. J. ....1909		325 00	
Rodgers, Walter		405 00	
Rose, George ....1909		131 00	
Ross, H. E. ....1909		300 00	
Ryan, John E. ....1909		130 00	
Ryan, Patrick ....1909		120 00	
<i>Carried forward</i>		102,110 47	134,393 91

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		102,110 47	134,393 91
<i>FIRE RANGING.—Continued.</i>			
Ryan, William H. ....1909	95 00		
Sandow, Peter ....1909	131 00		
Savard, August	370 00		
Schiller, James G. ....1909	322 50		
Scott, Robert	600 00		
Scott, R. R. ....1909	290 00		
Servage, Grant	382 50		
Shannon, R. M. ....1909	131 00		
Sharp & Jackson ....1909	127 63		
Sheppard & Wallace ....1909	58 00		
Shepard & Morse Lumber Co. ....1909	212 00		
Sheppard Lumber Co. ....1909	108 00		
Sherwood & Russel ....1909	200 00		
Shier, J. D., Lumber Co. ....1909	158 00		
Shives, R. D. ....1909	134 00		
Shouldice, John ....1909	32 00		
Simpson, A. ....1909	200 00		
Simpson, Theodore ....1909	27 00		
Simpson, William	362 50		
Sinclair, D. G. ....1909	320 00		
Singleton, A. ....1909	50 00		
Skinner, W. P. ....1909	72 00		
St. Laurent, Joseph ....1909	131 00		
Sleemin, Dufferin	312 50		
Smeltzer, J. H. ....1909	335 00		
Smith, A. L. ....1909	380 00		
Smith, Hilliard	79 00		
Smith, Joseph ....1909	131 00		
Smith, Nelson	380 00		
Smith, Rex	335 00		
Smyth, P. J. ....1909	362 50		
Snetzinger, H. A. ....1909	325 00		
Solomon, John ....1909	112 00		
Somers, Joseph W. ....1909	131 00		
Soubliere, Leon	397 50		
Spanish River Lumber Co. ....1909	132 50		
Spearing, Fred. ....1909	327 50		
Spears, Henry	60 00		
Spence, William, Jr. ....1909	415 00		
Spence, W. H. ....1909	131 00		
Spillette, A. ....1909	412 50		
Spillette, J. J. ....1909	412 50		
Spreadborough, N. ....1909	178 75		
Spreadborough, G. ....1909	132 00		
Steep, Frederick ....1909	82 00		
Stevenson, Alex. ....1909	405 00		
Stevenson, Lionel	382 50		
Stevenson, William ....1909	20 85		
Sullivan, John, Sr. ....1909	392 50		
Sullivan, John, Jr. ....1909	300 00		
Suter, F. J. ....1909	340 00		
Swinston, Charles	400 00		
Symington, William ....1909	131 00		
Tang, John ....1909	42 25		
Tapp, Thomas ....1909	55 00		
Tapping, Thomas	2 00		
Taylor, Charles N. ....1909	131 00		
Taylor, William J. ....1909	132 00		
<i>Carried forward</i>		114,922 95	134,393 91

Appendix No. 6.—Continued.

Service.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i>			114,922	95	134,393	91
<i>FIRE RANGING.—Concluded.</i>						
Thessalon Lumber Co. ....1909			77	01		
Thibert, Philip			417	50		
Thompson, Chris ....1909			128	00		
Thompson, Robert ....1909			82	00		
Thompson, George S.			450	00		
Thomson, John			267	50		
Thomson, R. D. ....1909			131	00		
Timmony, Edward ....1909			131	00		
Tinsley, H.			280	00		
Travis, Thomas			360	00		
Tremblay, Alfred			400	00		
Tremblay, J. F.			402	50		
Tretton, Frank			380	00		
Tunstell, George			302	50		
Tyson, William ....1909			114	00		
Urquhart, A.			560	00		
Urquhart, John ....1909			35	00		
Vaillancourt, Donald			392	50		
Vermette, John ....1909			107	00		
Viverais, M.			430	00		
Wagner, H. W.	157	50				
Disbursements	27	45				
			184	95		
Walker, James ....1909			32	00		
Wallberg, E. A. ....1909			406	48		
Wallace, Arthur J.			227	50		
Walton, Bruce			380	00		
Ward, James			377	50		
Watts, George			224	59		
Waugh, Keith			400	00		
Weir, George ....1909			32	10		
Wendt-Wreldt, A. J. F.			402	50		
Wickens, H.			317	50		
Williams, Gordon ....1909			105	00		
Williams, L. E.			237	50		
Williams, William			111	37		
Williamson, Hugh			290	00		
Willoughby, J. B.			390	00		
Wilkes, G. H.			390	00		
Wilkins, G. N.			568	00		
Winn, Joseph			467	50		
Wisseau, M.			172	50		
Wodehouse, R. P.			300	00		
Woodcock, George	532	50				
Disbursements	32	45				
			564	95		
Wright, Colin ....1909			156	65		
Wright, H. H.			392	50		
Wright, John S.			407	50		
Yearly, Fred. ....1909			131	00		
Yeats, Henry F. ....1909			110	00		
Youmans, D. E. ....1909			84	00		
Young, Robert			400	00		
					128,634	05
<i>Carried forward</i>					263,027	96

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>			263,027 96
FOREST RESERVES.			
<i>Temagami Reserve—\$46,397.95.</i>			
Allan, D.		392 50	
Allan, W. N.		365 00	
Ashall, E. R.		370 00	
Aubut, William		392 50	
Barr, James		375 00	
Barrett, Thomas	765 00		
Disbursements	353 37		
		1,118 37	
Beibet, August		242 50	
Bessette, E.		390 00	
Boland, A.		97 50	
Bond, St. George		90 00	
Bonter, E. R.		382 50	
Brennan, P.		255 00	
Brazeau, Z.		380 00	
Brazeau, J.		362 50	
Broughton, P.		370 00	
Bruce, T. L.		322 50	
Buisson, William	142 50		
Disbursements	7 90		
		150 40	
Burrows, T. L.		192 50	
Bushfield, N. A.		387 50	
Butcher, J. C.		390 00	
Butler, F. B.		392 50	
Cameron, William		14 60	
Cavan, W. E.		350 00	
Clement, F. W.		377 50	
Cline, G.		35 00	
Coatsworth, W. B.		380 00	
Coombes, W.		370 00	
Derosier, John		387 50	
Duval, C. A.		350 00	
Faries, R.		1,356 00	
Fennell, T. H.		16 45	
Finlay, J. R.		322 50	
Fortin, J.		277 50	
Frenette, Sam		322 50	
Garnham, W. H.		370 00	
Grenier, James		362 50	
Hagerman, G.		387 50	
Hamilton, G. M.		380 00	
Hanington, A. E.		300 00	
Harkness, A. E.		160 00	
Harrison, J. W.		392 50	
Heenan, Patrick		567 50	
Henderson, Charles		25 23	
Higgins, L. T.		387 50	
Heraux, J.		167 50	
Hindson, C.		124 66	
Hutchinson, J. A. ....1909	172 50		
Disbursements	12 05		
		184 55	
James, C.		32 50	
James, John		267 50	
Jocko, John		227 50	
<i>Carried forward</i>		16,315 26	263,027 96

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		16,315 26	263,027 96
<i>FOREST RESERVES.—Continued.</i>			
<i>Temagami Reserve.—Continued.</i>			
Jones, N. L.		12 50	
Keenan, J. T.		390 00	
Kelso, R. F.		365 00	
Kennear, John		170 00	
Knox, E.		350 00	
Lamarche, A.		920 00	
Lamarche, C.		332 50	
Latoure, J.		392 50	
Le Blanc, A.		305 00	
Le Blanc, O.		437 50	
Leggett, R. P.		385 00	
Levigne, L.		182 50	
Livingstone, H.		260 00	
Lumb, W. E.		390 00	
Lytte, L. B.		342 50	
McCammon, J. G. 1909	40 00		
Disbursements	24 70		
		64 70	
McDonald, C. 1909		182 50	
McDonald, G. G.		385 00	
McDougal, D.		370 00	
McGregor, P.	860 00		
Disbursements	14 45		
		874 45	
McIlmoyle, W.		345 00	
McKenzie, C. H.		375 00	
McKenzie, W. L.		300 00	
McMenemy, G.		385 00	
McNaughton, F. D.	822 00		
Disbursements	141 24		
		963 24	
McNeil, E. H.		380 00	
McPhee, D.		357 50	
MacDonald, S. C.	1,191 00		
Disbursements	827 80		
		2,018 80	
Manning, V.		82 50	
Matthett, L. L.		380 00	
Matthews, H. E.		307 50	
Merchant, H.		372 50	
Mickleborough, C.		120 00	
Mills, P.		360 00	
Montgomery, Alex.	552 50		
Disbursements	19 00		
		571 50	
Morrow, F.		85 00	
Mundle, F.		380 00	
Nadon, P.		187 50	
Neil, W. E.		380 00	
Nicolet, F.		390 00	
Nichols, H.		352 50	
O'Connor, J.		165 00	
O'Neil, W.		577 50	
Palmer, C. E.		362 50	
Petrant, W.		390 00	
Phillips, R. A.		382 50	
<i>Carried forward</i>		34,197 95	263,027 96

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		34,197 95	263,027 96
<i>FOREST RESERVES.—Continued.</i>			
<i>Temagami Reserve.—Concluded.</i>			
Potvin, E.		330 00	
Prudhomme, A.		387 50	
Purvis, H.		390 00	
Ranger, A.		362 50	
Ranger, P.		380 00	
Raymond, A.		367 50	
Reesor, G.		380 00	
Renton, T. H.		377 50	
Reynolds, G.		87 50	
Roadhouse, L.		195 00	
Roadhouse, M.		125 00	
Roche, H.		225 00	
Rochon, F.		237 50	
Rochon, J.		920 00	
Thompson, A. H.		302 50	
Trimble, H. J.		352 50	
Turner, J.		390 00	
Tutt, W. R.		350 00	
Tytler, N. D.		322 50	
Vair, M. G.		370 00	
Valois, P.		180 00	
Valois, S.		362 50	
Vivaris, D.		1,120 00	
Wanser, E. J.		380 00	
Watts, E. M.		370 00	
White, T.		312 50	
Sanders, N. M.		27 50	
Scott, F. R.		280 00	
Stewart, William		150 00	
Stuart, J. E.		375 00	
Stuart, J. A.		387 50	
Shelson, H.		270 00	
Sleeth, B.		387 50	
Smyth, P. J.		25 00	
Sweeney, D.		342 50	
Swift, R. R.		377 50	
<i>Metagami Reserve—\$6,578.55.</i>			
Blais, Odilore		382 50	
Burden, John	668 00		
Disbursements	155 70		
		823 70	
Chambers, E. V.		385 00	
Culp, J. S.		387 50	
Eveline, A.		407 50	
Farley, J. T.		382 50	
Howard, R. H.	87 50		
Disbursements	7 35		
		94 85	
Kitt, A. N.		347 50	
Leadbetter, W. R.		360 00	
Leatherdale, W. B.		385 00	
Macauley, A. T.		385 00	
Morand, R. D.		385 00	
Morley, Warren		140 00	
<i>Carried forward</i>		51,264 00	263,027 96

Appendix No. 6.—Continued.

Service.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i>			51,264	00	263,027	96
<i>FOREST RESERVES.—Continued.</i>						
<i>Metagami Reserve.—Concluded.</i>						
Poisson, A. L.			390	00		
Saunders, C. E.			385	00		
Thurston, A. M.			385	00		
Wallace, J. B.			287	50		
Washburn, B. L.			265	00		
<i>Mississaga Reserve—\$9,204.78.</i>						
Albright, L.			425	00		
Bickell, R. B.			380	00		
Body, W. J.			382	50		
Copman, C. C.			377	50		
Curtis, G. S.			360	00		
Davidson, W. M.			377	50		
Dean, T. N.			327	50		
Dewar, E. H.			360	00		
Dobbin, G. M.			382	50		
Dobson, H. E.			287	50		
Easton, L.			387	50		
Gorsline, R.			350	00		
Graham, James H. Disbursements			2	70		
Greer, J.			382	50		
Holmes, A. B.			380	00		
Houser, F. B.			230	00		
Kinney, William		975	00			
Disbursements		329	58			
					1,304	58
Morgan, J. P.			375	00		
Mutchmore, J. R.			347	50		
Porte, A. H.			42	50		
Reid, Byron			355	00		
Seeley, S.			402	50		
Smith, R. M.			312	50		
Wheeler, Alex.			367	50		
White, G. E.			305	00		
<i>Nepigon Reserve—\$7,831.77.</i>						
Anger, Alex.			340	00		
Bliss, L. E. Disbursements			133	68		
Bothwell, George E.			335	00		
Bouchard, Joseph			335	00		
Cook, Kenneth E.			335	00		
Cook, Lorne H.			307	50		
Day, Oswald			307	50		
De La Ronde, Charles			335	00		
Ernest, F. E.			315	00		
Grant, George			27	50		
Hiscocks, H. G.			297	50		
Johnston, N. F.			322	50		
Leitch, P. A.		750	00			
Disbursements		233	09			
					983	09
Lock, Russell			330	00		
Lucas, Fred			345	00		
MacGillivray, Roy			37	50		
<i>Carried forward</i>			67,268	05	263,027	96

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		67,268 05	263,027 96
FOREST RESERVES.— <i>Concluded.</i>			
<i>Nepigon Reserve.—Concluded.</i>			
Montgomery, R. L.		370 00	
Ritchie, W.		365 00	
Scott, N.		365 00	
Servais, Albert J.	510 00		
Disbursements	10 00		
		520 00	
Shipman, George W.		287 50	
Simmons, R. L.	540 00		
Disbursements	10 00		
		550 00	
Wagner, H. W.		287 50	
<i>Eastern Reserve—\$1,491.25.</i>			
Bishop, H.		355 00	
Gilmour, John		355 00	
Tapping, Thomas	400 00		
Disbursements	26 25		
		426 25	
Watkins, R.		355 00	
<i>Sibley Reserve—\$100.00.</i>			
Oliver, J. A.		100 00	
<i>Quetico Reserve—\$6,641.00.</i>			
Adams, W. J.		165 00	
Breckon, Fred		195 00	
Bury, H. J.		357 50	
Campbell, J. S.		360 00	
Crawford, E. J.		360 00	
Darby, W.		360 00	
Darlington, E.		352 50	
Hampshire, Fred		360 00	
Henry, Alex.		360 00	
Jonhston, R.		360 00	
McDonald, J.		322 50	
Martin, W. A.		360 00	
Readman, R.		576 00	
Sanderson, A. J. K.		352 50	
Scholes, W.		360 00	
Strain, J.		360 00	
Sutton, George		360 00	
Tripp, E. C.		360 00	
Wall, George		360 00	
			78,245 30
MINES AND MINING.			
Miller, G. W., Provincial Geologist, services.....	4,250 00		
Disbursements	999 48		
		5,249 48	
Mickle, G. R., Mine Assessor, services.....	4,000 00		
Disbursements	745 50		
		4,745 50	
<i>Carried forward</i>		9,994 98	341,273 26

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		9,994 98	341,273 ²⁶
<i>MINES AND MINING.—Concluded.</i>			
Price, S., Mining Commissioner, services.....	3,200 00		
Dance, R. W., services	865 00		
Disbursements	1,426 15	5,491 15	
Corkill, E. T., Inspector of Mines, services.....	2,150 00		
Disbursements	1,408 54	3,558 54	
Knight, C. W., Assistant Geologist, services.....	1,900 00		
Disbursements	351 13	2,251 13	
			21,295 80
<i>EXPLORATIONS AND INVESTIGATIONS.</i>			
Baker, M. B.	675 00		
Disbursements	1,168 40	1,843 40	
Bartlett, James	692 92		
Disbursements	45 80	738 72	
Bowen, N. L.	471 16		
Disbursements	704 90	1,176 06	
Burrows, A. G.	1,743 00		
Disbursements	2,685 64	4,428 64	
Moore, E. S.	455 77		
Disbursements	1,439 37	1,895 14	
Parsons, A. L.	519 23		
Disbursements	970 45	1,489 68	
Robinson, A. H. A.	2,000 00		
Disbursements	499 57	2,499 57	
Rogers, W. R.	1,317 28		
Disbursements	449 26	1,766 54	
Scott, John	600 00		
Disbursements	284 45	884 45	
Sharpe, Donald	550 00		
Disbursements	233 15	783 15	
Toyne, John	50 00		
Disbursements	22 65	72 65	
Express		55	
			17,578 55
<i>SPECIAL SERVICES AND UNFORESEEN EXPENSES</i>			
McNeill, W. K.		411 62	
Disbursements <i>re</i> Toronto Exhibition		681 63	
			1,093 25
SPECIAL SURVEYS IN MINING DISTRICTS			814 57
EXPERIMENTAL TREATMENT OF ORE.....			5,313 81
<i>Carried forward</i>			387,369 24

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>			387,369 24
MINING RECORDERS.			
Bowker, S. T., Recorder	889 75		
Disbursements	303 79	1,193 54	
Bruce, A. E. D., Recorder	900 00		
Blair, F. J., Clerk	453 46		
Graham, F. W., Clerk	631 14		
Gray, J. B., Clerk	605 76		
Disbursements	2,987 21	5,577 57	
Campbell, C. A., Recorder	779 92		
Washburn, H., Clerk	508 86		
Yonge, E., Clerk	382 12		
Disbursements	251 75		
Lemieux, F. F., Recorder	124 00		
Disbursements	205 66	2,252 31	
Hough, J. A., Recorder	1,200 00		
Browning, A. J., Clerk	900 00		
Disbursements	75 45	2,175 45	
McArthur, T. A., Recorder	1,200 00		
McLaren, Kate, Stenographer	480 00		
Disbursements	490 86	2,170 86	
McQuire, H. F., Recorder	500 00		
Disbursements	182 40	682 40	
Morgan, J. W., Recorder	846 38		
Disbursements	311 15	1,157 53	
Sheppard, H. E., Recorder	1,000 00		
Gordon, T. C., Clerk	1,080 00		
Glazier, M. B., Clerk	450 00		
Keenan, H. F., Clerk	899 99		
Disbursements	1,458 00	4,887 99	
Skill, A., Recorder	1,200 00		
Adams, W. G., Clerk	597 69		
Glazier, M. B., Clerk	626 54		
Disbursements	367 58	2,791 81	
Smith, G. T., Recorder	2,200 00		
McAuley, N. J., Clerk	300 00		
Bruce, A. E. D., Clerk	300 00		
Ferguson, R. H., Clerk	495 00		
Meagher, T. J., Clerk	888 50		
Sarsfield, J. B., Clerk	733 32		
Smith, G. L., Clerk	390 00		
Monroe, Eva, Stenographer	720 00		
Smith, M. H., Stenographer	480 00		
Disbursements	714 95	7,221 77	
Spry, W. L., Recorder	531 50		
Disbursements	221 21	752 71	
<i>Carried forward</i>		30,863 94	387,369 24

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		30,863 94	387,369 24
<i>MINING RECORDERS.—Concluded.</i>			
Dominion Express Co.'y	226 67		
King's Printer	1,114 39		
Methodist Book Room	234 86		
Harcourt, E. H. Co.'y	158 04		
		1,733 96	32,597 90
<i>PROVINCIAL ASSAY OFFICE.</i>			
Turner, N. L.	1,200 00		
Disbursements	528 29		
		1,728 29	
Rothwell, T. E.	999 96		
Disbursements	290 15		
		1,290 11	
Supplies	505 11		
Disbursements	338 22		
Equipment	90 66		
		933 99	3,952 39
<i>CULLERS' ACT.</i>			
Oliver, J. A., Disbursements		23 58	
McDougall, J. T., Disbursements		2 95	
Bliss, C. L., services		4 00	
Close, J. L., services		12 00	
Livery		31 00	
Rainy River Navigation Co.'y, use of launch.....		10 00	
Town of Fort Frances, rent of hall		5 00	
Floyd, William, rent of tables		5 00	
Advertising		6 20	
			99 73
<i>SURVEYS</i>			129,338 51
<i>BOARD OF SURVEYORS</i>			200 00
<i>CONTINGENCIES.</i>			
<i>Departmental.</i>			
Printing and Binding	2,554 42		
Stationery	7,249 97		
		9,804 39	
Postage	2,190 85		
Express	316 19		
		2,507 04	
Telegraphing	606 47		
Telephone Messages	24 40		
Telephone Rent	47 05		
Car Fare	60 00		
		737 92	
Subscriptions	332 54		
Advertising	6,291 86		
		6,624 40	
Typewriters, rent and repairs.....	508 75		
Elliott-Fisher Co.'y, machine, etc.	240 50		
Corkill, E. T., Travelling expenses	11 00		
Johnston, H. E., Travelling expenses	79 45		
<i>Carried forward</i>	839 70	19,673 75	53,557 77

Appendix No. 6.—Concluded.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>	839 70	19,673 75	553,557 77
CONTINGENCIES.— <i>Concluded.</i>			
Departmental.— <i>Concluded.</i>			
Kirkpatrick, G. B., Travelling expenses	69 50		
Rorke, L. V., Travelling expenses	101 10		
White, A., Travelling expenses	36 95		
Whitson, J. F., Travelling expenses	327 62		
Yates, Geo. W., Travelling expenses	35 14		
		1,410 01	
Extra Clerks	6,079 63		
Sundries	430 72		
		6,510 35	
			27,594 11
<i>Bureau of Mines.</i>			
Printing and Binding	1,149 70		
Stationery and Papers	2,311 36		
		3,461 06	
Telegraphing	285 84		
Express and cartage	107 84		
Advertising	4,263 28		
Subscription	215 75		
		4,872 71	
Gibson, T. W., Travelling expenses	21 80		
Johnston, H. E., Travelling expenses	200 00		
Moore, E. S., Disbursements ..	42 53		
Whitson, J. F., Travelling expenses	50 00		
Work, John do	279 75		
Souch, J. W.	105 35		
		699 43	
Typewriter and repairs	138 50		
Bell Telephone Co.'y	65 17		
Postage	437 30		
		640 97	
Extra Clerks		1,002 66	
Nicholas, F. J., preparing index	76 50		
Determination of Leases	211 71		
Legal Fee	100 00		
Sundries	341 84		
		730 05	
			11,406 88
PROVINCIAL MINES			212 45
COMMISSIONS RE SUNDRY INVESTIGATIONS			148 89
REFUNDS			13,587 21
REFUNDS RE GOWGANDA TOWNPLOT			1,081 12
			607,588 43

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister, Lands and Forests.

Appendix No. 7.

Statement of Expenses on account of various services under the direction of the Department of Lands, Forests and Mines for the year ending October 31st, 1910.

Service.	\$ c.
DIAMOND DRILL.....	13 00
ALGONQUIN PARK	13,352 78
RONDEAU PARK	2,371 50
VETERANS' COMMUTATION	2,050 00
	<u>\$17,787 28</u>

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 8.

WOODS AND FORESTS.

Statement of revenue collected during the year ending October 31st, 1910.

	\$ c.
Amount of Western collections at Department.....	1,528,980 35
do Belleville collections.....	40,573 60
do Ottawa collections.....	265,528 76
	<u>\$1,835,082 71</u>

J. A. G. CROZIER,
Chief Clerk in Charge.

AUBREY WHITE,
Deputy Minister.

Appendix No. 9.

PATENTS BRANCH.

Statement of Patents, etc., issued by the Patents Branch from 1st November, 1909, to
31st October, 1910.

Crown Lands	813
School do	30
Mining do	453
Public do (late Clergy Reserves).....	4
Free Grant Lands (A. A.).....	125
do (Act of 1880).....	477
Rainy River Lands (Mining and Crown).....	180
Mining Leases	160
Licenses of Occupation.....	31
Crown Leases.....	10
Crown Lands (University)	12
Mining do do	1
Free Grant, Act of 1901 (Veterans)	1,217
Temagami Islands	4
Rondeau Leases	4
Total	3,521

CHARLES S. JONES.
Chief Clerk.

AUBREY WHITE,
Deputy Minister.

Appendix

WOODS AND

Statement of Timber and Amounts accrued from Timber Dues, Ground

QUANTITY AND

Agencies.	Area covered by timber license.	Saw logs.				Boom and	
		Pine.		Other.		Pine.	
	Square miles.	Pieces.	Feet B.M.	Pieces.	Feet B.M.	Pieces.	Feet B.M.
Western Timber District	13,994½	11,096,599	469,093,674	1,415,824	51,464,961	233,669	28,266,239
Belleville Timber District	768½	467,336	17,275,977	412,959	13,365,150	2,969	638,226
Ottawa Timber District	5,479	1,736,792	87,376,802	669,694	19,403,083	37,174	3,964,873
	20,241½	13,300,727	573,746,453	2,498,477	84,233,194	273,812	32,869,338

General Statement

Agencies.	Cordwood.		Tan Bark.	Railway ties.	Posts.	Telegraph poles.	Car stakes.	Shingles.	Pulpwood.
	Hard.	Soft.							
	Cords.	Cords.	Cords.	Pieces.	Cords.	Pieces.	Cords.	Per 1,000	Cords.
Western Timber District	17,818	20,624	14,117	3,786,193	194	5,210	.....	23,500	75,073
Belleville Timber District	93	123	224	12,715	989	1,212	.....	.....	104½
Ottawa Timber District	150	4,903	435	4,748	139	801	3	.....	24,817½
	18,061	25,650	14,776	3,803,656	1,322	7,223	3	23,500	99,995

J. A. G. CROZIER,
Chief Clerk in Charge.

No. 10.

FORESTS.

Rent and Bonus during the year ending 31st October, 1910.

DESCRIPTION OF TIMBER.

Dimension.		Square Timber.				Piles.		Piling.	
Other.		Pine.		Hemlock.					
Pieces.	Feet B.M.	Pieces.	Cubic feet.	Pieces.	Cubic feet.	Pieces.	Lineal feet.	Pieces.	Feet B. M.
63,272	8,248,161	7,295	301,397	.....	.....	2,474	34,243	530	85,224
10,558	1,245,226	70	2,419	.....	.....	.....	.....	.....	.....
18,816	1,772,612	27	768	239	4,203	.....	.....	.....	.....
92,646	11,265,999	7,392	304,584	239	4,203	2,474	34,243	530	85,224

of Timber.—Concluded.

Amounts accrued.

Trans-fer bonus.	Interest.	Trespass.	Timber dues.	Bonus.	Deposits timber sale of 1910.	Ground rent.	Total.
\$ c 2,740 00	\$ c. 9,223 35	\$ c. 30,939 06	\$ c. 1,052,573 31	\$ c. 356,967 53	\$ c. 92,342 00	\$ c. 69,405 00	\$ c. 1,614,190 25
103 50	282 04	5,545 61	26,518 21	.....	.....	5,416 00	37,865 36
1,020 00	161 27	1,282 29	124,937 83	27,047 32	.....	29,360 00	183,808 71
3,863 50	9,666 66	37,766 96	1,204,029 35	384,014 85	92,342 00	104,181 00	1,835,864 32

AUBREY WHITE,
Deputy Minister.

Appendix No. 11.

Statement of the work done in the Military Branch of the Department of Lands, Forests and Mines, during the year ending the 31st October, 1910.

Letters received.....	6,000
Letters written	7,562
Maps supplied to Veterans	2,500
Location Certificates issued	85
Locations made	300
Surrenders	90
References for Patents issued	1,238
Locations cancelled for non-compliance with the regulations.....	261

R. H. BROWNE,
Chief Clerk in Charge.

AUBREY WHITE,
Deputy Minister.

Appendix No. 12.

Statement of the number of Letters received and mailed by the Department in 1908, 1909 and 1909-10.

Year,	Letters received.					Names indexed.	Orders-in-Council.	Returned letters.	Letters, circulars and reports mailed from Department.
	Sales and Free Grants.	Surveys.	Woods and Forests.	Mines.	Totals.				
1908 ...	22,478	11,263	9,386	9,183	52,310	58,900	243	84	70,000
1909 (10 months).	19,500	16,016	9,086	8,398	53,000	59,400	178	72	62,800
1909-10. new fiscal year.	23,700	18,290	9,752	8,498	60,240	67,210	201	81	69,400

FRANK YEIGH,
Registrar,

AUBREY WHITE,
Deputy Minister.

Appendix No. 13.

Statement showing the number of Locatees and of acres located; of purchasers and of acres sold; of lots resumed for non-performance of the settlement duties and of patents issued under "The Free Grants and Homesteads Act" during the year ending 31st October, 1910.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Baxter	Muskoka.	J. B. Brown, Bracebridge...	6	651	5	29	8	10
Brunel .....	"	"	...	...	...	...	...	2
Cardwell	"	"	6	925	1	13	6	2
Chaffey	"	"	3	300	...	...	3	2
Draper	"	"	2	211	...	...	2	4
Franklin	"	"	4	517	5	15½	3	9
Freeman (pt.)	"	"	32	4,418	2	11	...	3
Macaulay .....	"	"	...	...	1	1	...	1
Medora	"	"	1	100	1	½	1	2
Monck .....	"	"	...	...	...	...	...	...
Morrison	"	"	3	434	2	2¾	3	9
Muskoka .....	"	"	...	...	1	1	...	2
McLean	"	"	8	988	...	...	10	6
Oakley	"	"	5	736	...	...	4	1
Ridout	"	"	3	372	2	169	3	2
Ryde	"	"	2	243	...	...	2	1
Sherborne	Haliburton ...	"	2	160	2	86	1	2
Sinclair	Muskoka	"	6	1,007	2	47	6	10
Stephenson .....	"	"	...	...	...	...	...	...
Stisted .....	"	"	...	...	...	...	...	1
Watt	"	"	2	198	...	...	2	1
Wood	"	"	9	1,586	8	41	7	13
Burpee	Parry Sound..	F. R. Powell, Parry Sound..	1	206	2	155	...	2
Carling	"	"	6	685	1	1	3	6
Christie	"	"	10	1,681	...	...	8	1
Conger	"	"	5	654	1	1½	3	9
Cowper .....	"	"	...	...	1	5½	...	...
Ferguson	"	"	2	297	...	...	1	...
Foley	"	"	2	190	1	1	1	2
Hagerman	"	"	10	1,646	2	6	8	5
Harrison	"	"	1	200	8	72	...	8
Humphrey	"	"	1	82	1	99	1	1
McConkey	"	"	2	300	1	64	2	4
McDougall	"	"	5	664	1	100	4	4
McKellar	"	"	3	498	...	...	1	2
McKenzie	"	"	5	865	5	58	4	5
Monteith	"	"	8	1,315	3	47	6	...
Shawanaga	"	"	1	91	...	...	...	6
Wilson	"	"	1	34	...	...	...	2
Chapman	"	Dr. J. S. Freeborn, Magnet- awan.	8	905	...	...	6	7
Croft	"	"	1	209	2	13	1	5
Ferrie	"	"	1	196	...	...	1	1
Gurd	"	"	8	1,079	1	2	2	4
Lount	"	"	4	537	1	100	...	4
Machar	"	"	7	1,296	...	...	11	6
Mills	"	"	4	438	1	50	2	1
Pringle	"	"	6	895	...	...	1	...

Appendix No. 13.—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Ryerson.....	Parry Sound..	Dr. J. S. Freeborn, Magnet- awan.	7	966	.....	.....	9	4
Spence	"	" " "	9	1,289	.....	.....	5	4
Strong	"	" " "	5	522	.....	.....	4	3
Armour.....	Parry Sound..	W. Jenkin, Emsdale.	3	318	.....	.....	1	5
Bethune	"	" " "	6	765	.....	.....	3	3
Joly	"	" " "	6	894	.....	.....	4	5
McMurrich...	"	" " "	1	50	.....	.....	1	3
Perry	"	" " "	2	202	.....	.....	2	4
Proudfoot....	"	" " "	4	651	1	12	....	5
Hardy	"	H. J. Ellis, Powassan.. ....	.....	.....	.....	.....	.....	.....
Himsworth ..	"	" " "	15	2,082	3	103	10	15
Laurier	"	" " "	1	200	1	31	2	2
Nipissing	"	" " "	8	1,144	1	21	5	9
Patterson....	"	" " "	4	700	.....	.....	2	2
Bonfield....	Nipissing	W. J. Parsons, North Bay...	11	1,180	.....	.....	8	7
Boulter .....	"	" " "	.....	.....	.....	.....	.....	.....
Chisholm	"	" " "	14	1,981	4	224	9	12
Ferris	"	" " "	12	1,388	.....	.....	8	7
Anson	Haliburton ..	R. H. Baker, Minden.....	.....	.....	.....	.....	.....	.....
Glamorgan ..	"	" " "	8	964	2	14	4	3
Hindon .....	"	" " "	.....	.....	.....	.....	.....	.....
Lutterworth..	"	" " "	1	67	.....	.....	.....	1
Minden	"	" " "	2	200	.....	.....	2	5
Snowdon	"	" " "	3	400	.....	.....	3	.....
Stanhope	"	" " "	7	634½	.....	.....	7	1
Anstruther ...	Peterboro' ..	T. G. Eastland, Apsley .....	.....	.....	.....	.....	.....	1
Burleigh, N.D.	"	" " "	1	98	.....	.....	1	2
" S.D.	"	" " "	.....	.....	.....	.....	.....	1
Chandos	"	" " "	6	618	.....	.....	5	6
Methuen	"	" " "	2	150	.....	.....	1	1
Cavendish....	Peterboro'....	James Wilson, Kinmount...	1	73	.....	.....	.....	.....
Cardiff.....	Haliburton ...	" " "	2	259	.....	.....	2	5
Galway	Peterboro'....	" " "	3	486	1	1	4	2
Monmouth ...	Haliburton...	" " "	8	993	.....	.....	6	5
Bangor	Hastings	J. R. Tait, L'Amable.....	6	497½	.....	.....	1	1
Carlow	"	" " "	3	373	.....	.....	.....	.....
Cashel	"	" " "	1	111	.....	.....	1	2
Dungannon .	"	" " "	1	99	.....	.....	1	1
Faraday	"	" " "	2	351½	1	16	6	3
Herschel	"	" " "	4	421	1	1	3	3
Limerick.....	"	" " "	1	100	1	1	1	1
Mayo .....	"	" " "	.....	.....	1	5	.....	1
Monteagle ...	"	" " "	5	667	1	1	5	4
McClure	"	" " "	1	119	.....	.....	.....	2
Wicklow	"	" " "	3	315	1	23½	2	4
Wollaston....	"	" " "	1	100	.....	.....	1	2
Algona, S.....	Renfrew	Adam Prince, Wilno.....	1	100	.....	.....	.....	2
Brougham ...	"	" " "	3	303	1	2	1	.....
Brudenell ...	"	" " "	5	500	1	21	5	.....

Appendix No. 13.—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Burns	Renfrew	Adam Prince, Wilno.....	9	1,233	...	...	3	...
Grattan.....	"	"	9	897	...	...	4	1
Griffith	"	"	1	91	...	...	1	...
Hagarty	"	"	5	500	1	67½	4	3
Jones	"	"	1	189	...	...	...	...
Lyell	Nipissing	"	2	302	1	10	3	2
Lyndoch	Renfrew	"	5	559	2	7½	2	2
Matawatchan.	"	"	2	196	...	...	...	...
Radcliffe	"	"	6	800	...	...	9	1
Raglan	"	"	8	960½	...	...	5	8
Richards	"	"	14	1,726	...	...	7	1
Sebastopol ..	"	"	3	247	...	...	1	2
Sherwood	"	"	5	432	1	23½	3	3
Algona, N....	Renfrew	D. B. Warren, Pembroke....	1	93	...	...	...	...
Alice	"	"	2	182	...	...	1	...
Buchanan (pt)	"	"	1	208	1	8	1	2
Fraser	"	"	1	100	...	...	...	1
Head .....	"	"	...	...	...	...	...	...
Maria .....	"	"	...	...	...	...	...	...
McKay (pt) ..	"	"	...	...	...	...	...	...
Petawawa ...	"	"	1	100	...	...	1	1
Rolph	"	"	3	394	...	...	2	1
Wilberforce ..	"	"	...	...	...	...	...	1
Wylie (pt)....	"	"	1	200	...	...	1	...
Calvin	Nipissing	Robert Small, Mattawa. . .	1	100	...	...	...	1
Cameron (pt).	"	"	3	393	1	9	...	2
Lauder .....	"	"	...	...	...	...	...	...
Mattawan....	"	"	...	...	1	2	...	4
Papineau	"	"	5	574	...	...	2	2
Korah	Algoma	B. J. Rothwell, Sault Ste.	1	162	...	...	1	2
Parke.....	"	" " Marie	1	156	...	...	2	1
Prince	"	"	5	723	1	80	5	5
Aberdeen	"	Thos. Buchanan, Thessalon.	3	548½	...	...	1	6
" add.	"	"	1	162½	1	2½	...	...
Galbraith....	"	"	3	475	1	6½	...	6
Lefroy .....	"	"	...	...	...	...	...	1
Plummer	"	"	1	160	...	...	1	1
" add.	"	"	...	...	...	...	...	...
St. Joseph Is'd	"	W. E. Whybourne, Marksville	12	1,267	...	...	11	1
Merritt.....	"	R. J. Byers, Massey	5	765	1	39	...	1
Blake.....	Thunder Bay.	H. A. Keefer, Port Arthur ..	8	1,120	...	...	4	8
Counnee	"	"	34	5,021	...	...	20	12
Crooks	"	"	6	1,033	...	...	...	...
Dawson Road.	"	"	40	4,207	...	...	33	1
Dorion	"	"	5	749	2	72	6	12
Gillies	"	"	6	961½	6	354	5	7
Gorham.....	"	"	25	3,877½	1	179½	18	6
Lybster	"	"	7	1,066½	1	6½	7	8
Marks.....	"	"	24	3,816	1	1	11	13
McIntyre	"	"	3	336	...	...	5	3
McGregor	"	"	7	1,126	1	3	5	...

Appendix No. 13.—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
O'Connor...	Thunder Bay.	H. A. Keefer, Port Arthur.	7	1,126 $\frac{1}{2}$	3	158 $\frac{1}{2}$	7	9
Oliver.....	"	"	10	1,613	1	1	10	8
Paipoonge, N R	"	"	1	100	...	...	1	9
" S R	"	"	8	986	...	...	9	4
Pardee.....	"	"	...	...	...	...	...	9
Pearson.....	"	"	6	970	2	320 $\frac{1}{2}$	2	1
Scoble.....	"	"	16	2,311	2	88	6	10
Strange.....	"	"	10	1,597 $\frac{1}{2}$	3	117	5	13
Ware (pt)	"	"	38	6,974	...	...	2	4
Atwood... ..	Rainy River..	William Campbell, Stratton.	...	...	...	...	...	...
Blue.....	"	"	4	479	1	82	6	5
Curran....	"	"	5	728	3	86	4	5
Dewart.....	"	"	3	480	...	...	3	3
Dilke.....	"	"	3	406	2	44	3	3
Morley.....	"	"	5	646	4	10	4	9
Morson.....	"	"	53	8,106 $\frac{1}{2}$	13	576 $\frac{1}{2}$	34	...
McCrosson...	"	"	9	1,319	2	175	13	7
Nelles.....	"	"	12	1,938	5	131	11	8
Pattullo... ..	"	"	6	629	3	90	5	5
Pratt.....	"	"	7	1,118 $\frac{1}{2}$	2	62	9	1
Rosebery....	"	"	...	...	...	...	...	...
Shenston....	"	"	1	160	4	48	1	6
Spohn.....	"	"	16	2,535	3	127	15	1
Sutherland...	"	"	14	2,257	4	227	13	3
Sifton.....	"	"	9	1,474	3	129 $\frac{1}{2}$	10	71
Tait.....	"	"	2	322	5	119	3	12
Tovell.....	"	"	4	637	7	387 $\frac{1}{2}$	3	5
Worthington..	"	"	2	276	3	111	2	5
Aylsworth...	Rainy River.	Alex. McFayden, Emo.....	1	162	1	20	1	2
Barwick.....	"	"	1	118	...	...	...	2
Burris.....	"	"	5	819 $\frac{1}{2}$	10	345	3	17
Carpenter....	"	"	11	1,808	4	104	14	4
Crozier.....	"	"	6	1,025	6	222	7	7
Dance.....	"	"	22	3,596 $\frac{1}{2}$	1	39 $\frac{1}{2}$	17	7
Devlin.....	"	"	2	202 $\frac{1}{2}$	7	133	5	7
Dobie.....	"	"	5	796	3	126	3	9
Fleming.....	"	"	1	160	...	...	...	1
Kingsford....	"	"	10	1,521	6	329	9	8
Lash.....	"	"	2	244	7	171 $\frac{1}{2}$	3	11
Mather.....	"	"	2	335	1	49	2	8
Miscampbell..	"	"	10	1,517 $\frac{1}{2}$	2	79 $\frac{1}{2}$	10	10
Potts.....	"	"	5	763 $\frac{1}{2}$	...	...	3	6
Richardson...	"	"	7	1,117	3	160	3	9
Roddick.....	"	"	...	...	...	...	...	...
Woodyatt....	"	"	2	244	...	...	2	...
Aubrey.....	Rainy River..	R. H. Pronger, Dryden.....	12	1,586 $\frac{1}{2}$	1	114	10	10
Eton.....	"	"	5	691 $\frac{1}{2}$	...	...	2	6
Langton....	"	"	1	158 $\frac{1}{2}$	...	...	...	...
Mutrie.....	"	"	15	2,267	2	91	12	7
Rugby.....	"	"	...	...	...	...	...	2
Sanford.....	"	"	4	632	1	40	3	4
Southworth..	"	"	3	390	1	2	...	5
Temple.....	"	"	9	1,380	...	...	1	...
Van Horne...	"	"	2	166	3	81	1	3
Wabigoon....	"	"	38	5,821 $\frac{1}{2}$	1	71 $\frac{1}{2}$	...	...
Wainwright..	"	"	6	791	1	39 $\frac{1}{2}$	6	9

Appendix No. 13.—Concluded.

Township.	District or County.	Agent.	No. of persons located.	No of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Zealand	Rainy River..	R. H. Pronger, Dryden.....	8	867	1	23 $\frac{3}{4}$	3	7
Melick	"	W. L. Spry, Kenora	12	1,903 $\frac{1}{2}$	3	217 $\frac{1}{2}$	17	6
Pellatt	"	" " " "	10	1,266	1	32	9	2
Blezard	Sudbury.....	J. A. Lemieux, Blezard	5	636 $\frac{1}{2}$	.....	.....	.....	3
Capreol	"	" " Valley	16	2,259 $\frac{1}{4}$	2	29	3	11
Hammer.....	"	" " " "	33	4,119 $\frac{1}{2}$	5	96	6	15
Balfour	Sudbury	J. K. MacLennan, Sudbury ..	9	1,378	1	160	2	5
Broder.....	"	" " " "	13	1,648	1	71	3	7
Chapleau.....	Algoma	" " " "	2	275	3	377	.....	1
Dill.....	Sudbury	" " " "	9	1,262 $\frac{3}{4}$	1	7	.....	6
Garson.....	"	" " " "	17	2,395 $\frac{1}{2}$	6	175	2	5
Neelon.....	"	" " " "	17	2,382 $\frac{1}{2}$	6	227	5	10
Rayside.....	"	" " " "	2	249	.....	.....	1	1
Appleby.....	Sudbury	E. A. Wright, Warren.....	7	1,136 $\frac{1}{2}$	1	9 $\frac{1}{2}$	.....	5
Casimir	"	" " " "	4	787	3	9	1	6
Dunnet.....	"	" " " "	6	810 $\frac{1}{2}$	1	5	.....	6
Hagar	"	" " " "	10	1,648 $\frac{1}{2}$	2	163	4	6
Jennings	"	" " " "	7	1,044	1	39	.....	5
Kirkpatrick ..	Nipissing	" " " "	7	1,069 $\frac{3}{4}$	2	12	.....	3
Ratter	Sudbury .....	" " " " .....	.....	.....	2	17 $\frac{1}{2}$	.....	5
Caldwell.....	Nipissing	J. A. Philion, Sturgeon Falls.	10	1,232	1	80	.....	22
Cosby.....	Sudbury	" " " "	2	324	2	5	.....	8
Grant.....	Nipissing	" " " "	3	357	1	85	.....	.....
Macpherson ..	"	" " " "	14	2,068 $\frac{1}{4}$	.....	.....	.....	7
Martland	Sudbury	" " " "	19	2,762	1	4 $\frac{1}{2}$	1	22
Springer.....	Nipissing	" " " "	3	475	.....	.....	.....	16
Abinger.....	Lennox and Addington	Charles Both, Denbigh	2	199	.....	.....	1	1
Clarendon....	Frontenac....	" " " "	3	396	.....	.....	.....	.....
Denbigh..	Lennox and Addington	" " " "	3	495	.....	.....	.....	3
Canonto, S....	Frontenac....	" " " " .....	.....	.....	.....	.....	.....	.....
" N....	"	" " " " .....	.....	.....	.....	.....	.....	.....
Miller (pt)....	"	" " " "	1	50	.....	.....	1	.....
Palmerston (pt)	"	" " " "	1	105	.....	.....	1	1
Airy	Nipissing	Unattached	6	817	3	51	1	2
Finlayson....	"	" " " " .....	.....	.....	.....	.....	.....	.....
Murchison .....	"	" " " " .....	.....	.....	.....	.....	.....	.....
Sabine	"	" " " "	9	1,388	1	10	1	1
			1,379	194,760	296	9,753 $\frac{1}{4}$	796	947

W. C. CAIN,
Clerk in Charge.

AUBREY WHITE,
Deputy Minister.

Appendix No. 14.

Statement of Municipal Surveys for which instructions issued during the 12 months, ending October 31st, 1910.

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.
1	E. T. Wilkie....	680	Jan. 18, 1910.....	To survey the town line between the townships of Nepean and North Gower, in the County of Carleton, and to plant permanent monuments at all points of intersection with concession lines or side roads running thereto through either township.
2	J. J. McKay..... (Tyrrell & McKay)	680a	July 27, 1910....	To survey certain concessions, road allowances, etc., formerly in the township of Barton, now in the City of Hamilton.
3	Thomas H. Dunn.	681	Oct. 26, 1910	To survey the boundary road allowance between the townships of Osnabruck and Cornwall, and to have the said boundary marked by permanent stone or iron monuments at the expense of the municipality of the township of Osnabruck, in the County of Stormont.
4	S. E. Farley	682	Nov. 16, 1910....	To survey the original road allowance between lot 30, concession 2, Ottawa Front, and lots lettered J., K., L., M., and N., concession A., Rideau Front, in the township of Nepean, in the county of Carleton, and to define said road allowance by permanent monuments on each side thereof.

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 15.

Statement of Municipal Surveys confirmed during the 12 months ending October 31st, 1910.

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O., 1897, Chap. 181, secs. 10-15 inclusive.
1	C. D. Bowman	664	Feb. 5, 1908	To survey part of the line between the township of Waterloo, in the county of Guelph, in the county of Wellington, from the north-easterly angle of the township of Waterloo, southerly along the easterly limits of lots 97, 98, 99 and 100 of the German Company Tract of Waterloo, and to mark by stone or other permanent monuments at the several corners in the easterly limit of the said township of Waterloo, and also at each end of the several concession lines of the township of Guelph abutting on said boundary between the said points.	Jan. 25, 1910.
2.	Ernest G. Barrow...	665	May 2, 1908	To survey the limits of the original allowance for road between the broken front and the 1st concession of the township of Barton, in the county of Wentworth, known as the base line and now within the limits of the City of Hamilton, said survey to be made from the intersection of the said base line with the allowance for road between lots Nos. 4 and 5, in the said township of Barton known as Ottawa Street, to the westerly terminus of such base line, and that durable monuments be placed marking the limits of the original allowance for road between the above points.	Jan. 19, 1910.
3.	Alex. Niven	672	June 12, 1909	To survey the lines of the streets in the town of Niagara, and to mark the same by suitable monuments in such a manner as the proper lines thereof may at any time be laid down upon the ground.	May 27, 1910.
4.	Thomas H. Dunn	674	Aug. 6, 1909.	To survey the concession line and road between the 10th and 11th concessions of the township of Winchester across lots Nos. 12, 13, 14, 15, 16, and the west half of lot No. 17, in the 10th concession of the township of Winchester, or as far as may be necessary to find original or undisputed monuments on each side, and to plant permanent monuments to mark the said road on each side.	Feb. 28, 1910.

Appendix No. 15.—Concluded.

Statement of Municipal Surveys confirmed during the 12 months ending October 31st, 1910.—
Concluded.

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O., 1897, Chap. 181, secs. 10-15 inclusive.
5.	Alex. Niven	675	Oct. 5, 1909	To survey the southern boundary, of the town of Niagara, and to define the same by durable monuments.	May 27, 1910.
6.	Frank E. Patterson .	677	Dec. 8, 1909.....	To survey the boundary lines of the road known as McArthur Avenue, running in an easterly direction from the Rideau River, a distance of about one mile, through the village of Eastview, being the centre of lot No. 7, junction gore, Township of Gloucester, and to plant stone or other durable monuments at the front angles of lots and blocks fronting on McArthur Ave. within the limits of said village of Eastview.	Oct. 14, 1910.
7.	Maurice Gaviller....	678	Dec. 23, 1909....	To survey the side road between lots 9 and 10 in the 12th concession of the township of Nottawasaga, and to mark the said road on either side by permanent monuments.	Sept.16,1910.
8.	E. T. Wilkie	679	Dec. 27, 1909....	To survey the concession line between the 8th and 9th concessions, of the township of Hinchinbrooke, from lot 12 south to lot 8, and to define the same by permanent boundaries.	Nov.18,1910.

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 16.

Statement of Crown Surveys in progress during the twelve months ending October 31st, 1910.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount Paid.
1	Mar. 19, 1910	A. G. Ardagh	To survey islands in Georgian Bay in front of Harrison & Shawanaga.....	\$ 4,000
2	Mar. 21, 1910	D. Beatty	To survey islands in the Georgian Bay, in front of Conger & Cowper.....	2,500
3	Apr. 18, 1910	C. H. Fullerton ..	To survey outlines of townships surrounding Night Hawk Lake and to south thereof, District of Nipissing	3,300
4	Apr. 16, 1910	J. H. Burd	To survey islands in the Georgian Bay, in front of McDougall, Carling, etc.	5,000
5	Apr. 22, 1910	L. R. Ord	To survey islands in the Georgian Bay, in front of Wallbridge	3,500
6	May 2, 1910	Speight & Van Nostrand	To survey Base and Meridan lines, District of Algoma	11,750
7	May 3, 1910	J. W. Fitzgerald.	To survey outlines of townships, D'stricts of Nipissing and Sudbury.....	5,500
8	May 10, 1910	A. Niven	To survey town plot at Superior Junction, District of Kenora	1,000
9	May 11, 1910	J. Hutcheon	To survey Township of Machin, District of Sudbury	10,000
10	May 17, 1910	A. S. Code	To survey outlines of the townships north of Aylmer, District of Sudbury.....	4,500
11	May 27, 1910	J. Newman	To survey township outlines north of the township of McNish, District of Nipissing.....	3,000
12	June 9, 1910	Rush & Paulin ..	To traverse lakes in District of Algoma.....	2,800
13	July 5, 1910	W. Beatty	To survey part of the township of Alexandra, District of Sudbury	2,000
14	July 17, 1910	A. D. Griffin	To survey residue of the Townships of Maissonville and Benoit, District Nipissing	3,200
15	Sept. 2, 1910	E. Seager	To survey timber berths 1, 2, 3 and 4, District of Kenora	400
16	Aug. 19, 1910	T. B. Speight ...	To survey town plot at Missinaibi, District of Algoma	450
17	Dec. 7, 1910	T. D. Green	To traverse Gun and Sand Lakes and survey the islands therein, District of Kenora.....	1,000
18		L. V. Rorke, Inspector of Surveys	Inspection of surveys	2,200
19	Mar. 23, 1910	C. H. Fullerton	To survey Night Hawk Lake and islands therein, District of Nipissing	0,000
				66,100

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 17.

Statement of Crown Lands surveyed, completed and closed during the 12 months, ending
October 31st, 1910.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of acres.
1	May 17, 1909....	C. H. Fullerton ..	Survey of lots 5 and 6, Township of James, District of Nipissing	491 45	
2	May 18, 1909. ..	Speight & Van Nostrand	Survey of Base & Meridian lines, Districts of Sudbury and Algoma	750 00	
3	July 29 1909....	G. S. Abrey	Survey of Township of Wabigoon, District of Kenora	1,289 98	22,917
4	May 20, 1909 ..	F. W. Paulin	Survey of timber berths, District of Thunder Bay	61 75	
5	May 27, 1909 ...	H. J. Beatty	Survey of outlines, Temagami Forest Reserve	1,235 43	
6	May 31, 1909 ...	W. & D. Beatty ..	Survey of Township of Blount, District of Nipissing	2,102 77	51,524
7	May 31, 19 ...	J. Hutcheon	Survey of Township outlines, Districts of Nipissing and Sudbury	3,420 00	
8	June 1, 1909.. ..	J. S. Dobie	Survey of Township outlines, Mississauga Forest Reserve....	856 73	
9	May 25, 1909. ..	Cavana & Watson	Survey of Township outlines, Mississauga Forest Reserve....	1,436 15	
10	May 25, 1909....	T. J. Patten	Survey of Township outlines, Mississauga Forest Reserve....	3,323 34	
11	July 22, 1909....	C. H. Fullerton ..	Survey of Township outlines, District of Nipissing.....	1,427 60	
12	July 26, 1909....	J. W. Fitzgerald.	Survey of Township outlines, District of Sudbury.....	466 47	
13	Oct. 4, 1909.....	J. H. Burd	Survey of timber berths E., F., I. and J., District of Algoma..	1,572 77	
14	May 20, 1909....	G. S. Abrey	Survey of timber berths, District of Rainy River	4 20	
15	Dec. 31, 1908....	L. V. Rorke	Survey of outlines of Townships, Temagami Forest Reserve....	1,838 47	
16	April 28, 1910...	Cavana & Watson..	To survey Township outlines, District of Sudbury.....	5,055 00	
17	April 28, 1910...	Lang & Ross	To survey township outlines, District of Sudbury.....	5,769 62	
18	May 4, 1910.....	DeMorest, Stull & Low	To survey Township outlines, District of Sudbury.....	5,038 95	
19	May 9, 1910.....	T. J. Patten	To survey outlines of Townships, Mississauga Forest Reserve....	5,272 44	
20	May 25, 1910 ..	J. S. Dobie	To survey outlines of Townships, Mississauga Forest Reserve....	5,042 59	
21	May 2, 1910 ...	H. J. Beatty	To survey Township outlines, West of Godfrey, District of Sudbury	6,130 30	
22	Aug. 19, 1910 ..	A. Loughheed	To survey timber berths in District of Thunder Bay	841 18	
23	Aug. 11, 1910 ..	A. L. Russell	To survey lots 18 to 24, con line 1-2, Dawson Road	45 70	
24	.....	L. V. Rorke, Inspector of Surveys	Inspection of surveys.....	195 93	
		Hector McDonald.	Re blazing timber berths 151, 157, 145 and 139	512 59	
		E. H. Harcourt & Co.	Printing maps	7,706 35	

Appendix No. 17.—Continued.

Statement of Crown Lands surveyed, completed and closed during the 12 months.—Continued.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of acres.
		C. Tarling & Co...	Mounting maps	748 70	
		Rice Lewis & Sons	Iron posts	387 80	
		C. E. Henderson.	2 canoes and 6 paddles for use, F. W. Paulin, O. L. S.	91 00	
		A. T. Fife	Hardware for use by O. L. S. Seager on survey of timber berths S. 41, 42 and 43.....	23 20	
		F. A. Child	Express, iron posts, Matheson & Porcupine	4 60	
		Map Specialty Co.	Maps	87 50	
		Chas. Potter	Charts for use of Surveyors ...	7 95	
				\$63,238 51	

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

*Appendix No. 18.*SURVEY OF BASE AND MERIDIAN LINES, DISTRICTS OF ALGOMA AND
SUDBURY, 1909.

TORONTO, 27th December, 1909.

SIR,—We have the honor to submit the following report on the survey of certain base and meridian lines in the Districts of Algoma and Sudbury, made by us during the past summer under instructions from your Department, dated 18th May, 1909.

Upon receipt of the instructions we immediately proceeded to make arrangements for supplies, of which nearly six tons, exclusive of camp equipment, were required. With nine men from Toronto and vicinity, we left for Woman River Station, on the Canadian Pacific Railway, on 1st June, and upon our arrival were joined by eleven other men from various parts of New Ontario. Additions to the party were made from time to time as occasion required, the maximum force at any time being thirty, all told. The work was in charge of T. B. Speight, O.L.S., assisted by T. D. le May, O.L.S.

The instructions state that the point of commencement is marked by "an iron post on the north side of the right of way of the Canadian Pacific Railway, about a mile and a half east of Woman River Station, on the line between Townships numbers 18 and 19, as partially outlined by O.L.S. E. Stewart, which post is distant 76 links north of the centre of said right of way and marked 18 M. on the east and 19 M. on the west side, said post is also distant 91 chains and 37 links from the south-west angle of Township 18 as surveyed by O.L.S. Stewart." Upon careful search it was found that the post referred to had been removed and its accompanying wooden post destroyed by fire, and it was necessary to determine the point by measuring from the iron post and point of old spruce post still remaining on the south side of the right of way, verifying these as to original position by measuring from the five mile post on O.L.S. Stewart's meridian.

A beginning was made on 3rd June from the initial point so established, and the work was prosecuted continuously, with the exception of one week, which was lost in re-outfitting after the destruction of about half of our camp effects and instruments by a forest fire which swept in from the north-west on 11th June.

The first meridian was run from the above point of commencement north for about sixty-five miles to the base line run by O.L.S. A. Niven in 1899. It may here be noted that this base line forms the division between the systems of "six-mile townships" to the south and "nine-mile townships" to the north. At the forty-eighth mile post on this meridian, a base line was run east about nineteen miles, to a point on the Ground Hog River about five miles north-east from the Hudson's Bay Company's trading point known as Flying Post; and, from the same mile post, about twelve miles west, to connect with the Township of Paul near its north-east angle. These two lines are referred to herein as the "first base line."

At the seventy-second mile post on O.L.S. Niven's base line, being about one and three-quarters miles west of the termination of the sixty-five mile line referred to, the first meridian was continued twenty-seven miles north along

the boundary between the Districts of Algoma and Sudbury and from its north end a base line, referred to herein as "third base line," was run west about twenty miles to the western terminus of the season's work. From the eighteenth mile post on the north twenty-seven miles of the first meridian line, referred to herein as the "second base line," was run west for a distance of eleven miles. At the ninth mile post on the third base line, lines were run north and south respectively for a distance of nine miles, and referred to herein as the "second meridian."

From the eighteenth mile post on the same base line meridians were run similarly north and south respectively nine miles, and termed herein "third meridian."

The meridian lines are run due north astronomically and the base lines due west (or east) on chords of parallels of latitude, those to the south of the Niven base line being chords of six miles in length, and those to the north of that line, nine miles long. A wooden post of the most durable material, within reasonable distance, was planted at the end of each mile on the lines south of the Niven base line, and in addition, iron posts one and one-quarter inches in diameter were planted alongside the wooden posts at the end of each sixth mile in that tract. On the lines north of Niven's base line, the interval between wooden posts was made one and a half miles, and between iron posts nine miles. On each wooden post and iron post the number of the mile it represented was carefully marked on the side nearest the initial point of the line. Where a corner occurred in a lake or other natural feature, precluding the planting of posts, the post was planted upon the nearest suitable point of land and upon the line run, the distance of such post from the true corner being entered in the notes and marked upon the post. In all cases where wooden and iron posts are planted side by side, the iron post indicates the intended corner. All lines were well opened out and properly blazed.

Frequent astronomical observations, records of a number of which are appended, were taken for the purpose of verifying the course of the lines run, but owing to a series of accidents to the instruments it was impossible to note frequently the magnetic variation, the average declination being about four and a half degrees west.

A careful watch was kept for indications of the exploration line run by P.L.S. Duncan Sinclair in 1867, but the repeated fires which have swept over this region in the interval have rendered it impossible of positive location at this point. Certain marks which we believe to define the line in question were seen and noted, and we have shown the position of these upon the accompanying map as "Probable location of Sinclair's line."

The return journey was made by way of the Kapuskasing and Trout River canoe routes to Chapleau, which was reached on 25th September.

GENERAL FEATURES.

All the country embraced by this survey lies in the valleys of the Woman, Ridout, Pishkanogami, Ground Hog, and Kapuskasing Rivers, a total breadth of thirty-nine miles from east to west and one hundred and one miles from north to south being included. Generally speaking, the surface is rolling, and, in places, hilly, some of the hills reaching an altitude of two hundred feet. To the south of the clay belt, the southern boundary of which was met about ten miles north of Niven's base line and trends thence in a north-westerly direction,

the soil is of inferior quality for agricultural purposes, but in the southern twenty-two miles of the work the surface indications are such as to attract prospectors for iron.

Rivers, streams and lakes abound, particularly in the southern part of the work and numerous swampy areas were seen. Fire has swept, within the past twenty-five years, over nearly all the southern half of the tract covered by the survey, and as a consequence there is little timber of value now standing. In the remaining part, including the clay belt, less damage has been done by fire.

SOIL.

As above intimated only a comparatively small part of the survey lay within the clay belt, the remainder comprising stony, rocky and sandy soil. The clay belt itself is not here of as good quality as that to the north, but in the vicinity of the Kapuskasing there is a fair sized area of excellent land, and the proportion of good soil increases to the north and north-east.

TIMBER.

To the south of Pishkanogami Lake the timber is nearly all of second growth, but small areas of the original growth, which had escaped the fire, were seen.

A tract of probably fifty or sixty square miles from the Ridout River eastward and from the tenth to the fifteenth miles on the first meridian was fire-swept during our survey, and no timber of value remains. On the first meridian between Pishkanogami Lake and the first base line, a number of groves of white and red pine of good quality were seen. On the first base line, both east and west of the first meridian, a fair quantity of spruce and poplar, suitable for pulp-wood, and banksian pine and tamarac for railway ties, was found.

In the fifth and sixth miles of the first base line east of the first meridian, groves of red and white pine occur also at a point on the Pishkanogami River, about two miles north from the mouth of the Muskego River, there is a grove of red pine of good quality, ranging up to twenty-four inches in diameter. In fact, taking into account both quality and quantity, this region is the most promising for white and red pine that we have noted in the James Bay watershed.

Along the valley of the Kapuskasing River, spruce, poplar, birch and tamarac with occasional groves of banksian pine and scattered cedar, are found. The poplar and spruce are of good quality, and capable of supplying timber for local purposes.

To the west of the fifteenth mile on the third base line the country has been visited by fire, probably fifteen or twenty years ago, and the growing timber is of little value at present.

WATER.

The whole district is well watered by rivers, streams and lakes, with water of good quality.

Rapids and small falls on the Woman, Ridout, Pishkanogami and Kapuskasing Rivers are sufficient to supply power for mining and other local purposes. The most important of these falls noticed was on the Pishkanogami River, about three miles down stream from the lake of that name, which forms a natural

reservoir, the lake itself being about twenty-five miles in length and from one-half to two and a half miles in breadth. The next falls of importance is on the Kapuskasing River, about three miles down stream from Kapuskasing Lake; the latter having an area of probably at least five square miles.

MINERALS.

In the south twenty-two miles of the first meridian, surface indications of iron ore were frequently seen and already a number of prospectors were operating. In our opinion it is a promising field and probably will be found to extend eastward to the point on the Woman River where development work has been in progress for more than two years.

In the remainder of the work no indications of economic minerals were noted, but the dense undergrowth gave little opportunity for observation. Outcroppings of rock were seen at intervals, chiefly of granite, in the northern part.

GAME.

Moose were very numerous, and bear were seen occasionally. Small game was scarce. Fish were abundant in all the main streams and larger falls. On the Pishkanogami River speckled trout were particularly plentiful as were pickerel in Goose Lake.

GENERAL REMARKS.

A much smaller portion of agricultural land was met with in this season's work than has usually been the case with our contracts during several years previous but this is due to the fact that only a fringe of the great clay belt was encountered. The work will, however, be of considerable value for a number of reasons, among which are: the service in connecting adjacent detached systems of survey, the necessity for locating mineral claims, particularly in the southern part, and the knowledge gained respecting the territory to be crossed by the Canadian Northern Railway, surveys of which are now in progress to the north of Ground Hog Lake and across the first base line east of the meridian.

We have the honour to be,

Sir,

Your obedient servants,

(Signed) SPEIGHT & VANNOSTRAND.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto, Ont.

*Appendix No. 19.*SURVEY OF OUTLINES OF TOWNSHIPS NORTH OF LAKE HURON, DISTRICT OF
ALGOMA.

THESSALON, ONTARIO, December 15th, 1909.

Sir,—I beg to report that in accordance with your instructions dated June 1st, 1909, I have completed the survey of Township Outlines, in, and adjacent to, the western portion of the Mississaga Forest Reserve.

In reaching the starting point of the survey, I used the well-known canoe route from Wakami Siding on the main line of the Canadian Pacific Railway to the Mississaga River via the Kapuskasing and Wenebagon Rivers.

The survey was commenced on the afternoon of July 31st at the 6th mile post on the meridian line run by O.L.S., A. Niven, in 1902, this point being the north-east corner of Township 3.E. From this point the survey was continued without interruption until the middle of October when unfavorable weather made it impossible to continue. On October 15th there was twenty inches of snow on the ground, and work under these conditions with a summer outfit became impossible. I therefore broke camp and came out to the Algoma Central Railway, where I discharged my men for the time being. The weather moderated after this, however, and by November 1st the snow had about disappeared. I therefore took a small crew of men and returned to the point where work had been suspended, and completed the survey.

Your instructions were followed as closely as possible in performing the survey. It was found necessary, however, to run a few of the lines in the opposite direction to that mentioned in the instructions. This course was rendered necessary on account of the great difficulty in making long moves for the whole party. The lines which were reversed are as follows: The north boundary of Township 5 E., east boundary of Township 3 F, east boundary of Townships 3 H. 4 H, 5 H, north boundary of Township 3 G, and the north boundary of Township 22, Range XII. The field notes in all cases were entered in the order in which the lines were run and the posts were all numbered from the south towards the north and from the east towards the west, with the exception of the east boundary of Township 202, on which the posts are numbered from the north towards the south.

The lines were all well cut and blazed and good, durable posts were planted wherever required. If possible, mounds of stone were erected at the posts. Iron posts were erected at each of the township corners with the designation of the township marked thereon with a cold chisel. In some cases, however, where the corner came near an iron post planted last year, a new iron post was not erected. The usual wooden post was planted at the intersection of the lines and the distance measured and recorded to the iron post planted on the line run last year. The measurements to these posts are all shown on the plan, and also in the field notes. Wherever the end of a mile came in a lake or river, a post was planted on the nearest shore and the chainage marked on the post with a scribing iron. Bearing trees were marked wherever possible, and all marks were made with a proper timber scribe. All lakes and rivers were carefully triangulated and the calculations are entered in the proper place in the field notes.

TIMBER.

The greater portion of the territory covered by the survey is untouched by fire and contains timber of great value. The prevailing timber is white and red pine, spruce, balsam, cedar, white birch, yellow birch and maple. White pine of good quality is to be found scattered all over the area surveyed and in some places the growth is very heavy.

The following report on each township separately will give an idea of the location of the most valuable timber and of the burnt areas, and also an approximate idea of the relative value of the various townships as far as could be seen from the survey lines. *3 E.* This township is not damaged much by fire. Red and white pine are very plentiful in the north-east corner. There is also considerable pine in the north-west corner and along the Mississaga River, except a small area which was over-run by fire about fifteen years ago. In the southern portion of the township there is considerable yellow birch and maple of poor quality, but with white pine scattered throughout. A portion of the south-west corner was burnt over about fifteen years ago. Throughout the whole township there is a great deal of fine spruce, also much balsam and white birch. The pine and pulpwood are of very great value.

4 E. Fire over-ran the south-west corner of this township some years ago and probably twenty-five per cent. of the total area has been burnt over, and contains no timber of any value. The remainder is heavily timbered with pine, spruce, balsam, birch, cedar, etc. The pine especially in this township is very valuable.

5 E. This township is very much the same as 4 E. About twenty-five per cent. has been swept by fire and is growing up with a dense growth of underbrush of no value whatever. The burnt area is mostly in the north-east corner. The pine, spruce, etc., in this township are very valuable.

3 F. This township has been nearly all burnt over by a fire which occurred about forty years ago. The southern portion contains no timber of any value except an occasional clump of trees that escaped the fire. Along the north boundary there is a good growth of timber of considerable value. West of the Aubinadong River there is some good pine and spruce. There is also a fair quantity of spruce with pine scattered throughout on the east side of the Aubinadong River. On account of the ravages of fire, however, this must be considered a poor township, although what timber there is appears to be of good quality.

4 F. Very little of this township has been damaged by fire, there being a small area on the east side and another on the west side having an area of about three square miles in all that has been burnt. The remainder contains pine, spruce, balsam, cedar and birch. There is a large quantity of pine in this township and the spruce is plentiful and good. This is a very fair township.

5 F. The northern part of this township has been burnt over and about forty per cent. of the total area has been fire swept, only an occasional clump of green timber having escaped. On the remainder of the township the timber is very valuable. White pine and spruce occur in large quantities and the other timber common to the country is very much in evidence. This is a very good township in spite of the damage done by fire.

196 and 202. Only the line between these townships was run, so that it was possible to obtain very little information regarding these two townships. The line runs through a good growth of mixed timber containing much pine and spruce for three and a half miles south from O.L.S. Niven's Base Line, which was crossed near the 84th mile. From three and a half to five miles there is nothing but

second growth, birch and poplar, this area having been burned over about forty years ago, and the fire appears to have run for a long distance east and west of the line and probably belongs to the same area of *brulé* which crosses 3 F and 3 G, as the growth appears to be of about the same age. From the Garden River, which crosses near the fifth mile to the north boundary of Townships 195 and 201; the timber is mostly maple and birch of poor quality, with considerable pine, spruce and cedar scattered throughout.

3 G. This township has been badly damaged by fire. Fully sixty per cent. of the area has been burnt over some forty years ago. The northern portion of the township has escaped, but the timber is largely hardwood of poor quality. There is considerable pine, spruce and cedar throughout, increasing in quantity towards the north-east corner of the township. Taken as a whole this is not a good township.

4 G. A small area of *brulé* exists on this township along the canoe route from the Aubinadong River to Aubahagama Lake. It covers probably three square miles. Otherwise the timber has not been damaged and in some parts is very valuable. North of Aubahagama Lake there is a very large amount of valuable pine and spruce, although the pine is not noticeable from the lake, as the timber immediately surrounding the lake is largely white birch and hardwood. South-east of Aubahagama Lake there is considerable maple and birch of inferior quality, with pine and spruce throughout. Near the south-east corner of the township there is a considerable quantity of white pine to be seen from the lines. Probably one quarter of the area of this township is water, as two large lakes, Aubahagama and Saymo Lakes, are probably within its limits. This is a very good township, especially the north half.

5 G. The north-east corner of this township has been burnt over about fifteen years ago. Otherwise the township is very valuable. The north-west corner of the township has a fine growth of pine and spruce and elsewhere throughout the unburnt portion of the township both pine and spruce occur in large quantities. This is a very valuable township.

3 H. A considerable portion of the south-east corner of this township has been burnt and contains no timber of value. There is a large amount of hardwood on this township, but the quality is poor. There is a large amount of spruce, balsam, cedar, etc., and considerable pine scattered throughout. This township is not nearly as valuable as others within the limits of the survey.

4 H. There are two small areas of *brulé* occurring on the west side of the township, otherwise there is a good growth of timber. The best pine seen occurs along the north boundary and the quantity is large. In the southern part there is a great deal of white and yellow birch and maple with balsam and spruce. There is scattered pine throughout, but the quantity does not appear to be large. The northern portion of this township is very good, but the southern part is much less valuable.

5 H. This is a very valuable township. It is practically undamaged by fire and the timber growth is very heavy. White pine is very plentiful along all the boundaries of the township and in the north-east corner it is particularly valuable. Much fine pine could be seen from the south boundary as well, and as far as could be seen during the progress of the survey, pine is fairly well distributed over the entire township. There is also a large amount of very fine spruce, balsam and birch. Taken as a whole, this is the best township within the limits of the survey.

Tp-22, R- XI. This township has been touched by fire in three places and the area burnt appears to be about five square miles. There is a large amount of maple

and birch of poor quality, with pine, spruce, balsam and birch distributed throughout. There is a large amount of pulpwood on this township, and some good groves of pine, but it is not nearly as valuable a township as others seen during the season.

T'p- 22, R- XII. This is a very good township. Along the east boundary there is a good growth of pine and spruce, also along the south boundary. In the north-west corner there is a heavy growth of pine, and, in fact, more or less pine can be seen all over the township wherever an extended view could be obtained. There is also a large amount of pulpwood and considerable hard wood. This appears to be one of the best townships seen during the season.

T'p- 23, R- XI. As this township is now being lumbered by the Algoma Commercial Company, I do not consider it necessary to report. I may say, however, that the east and north boundaries of this township were run some years ago, presumably under the directions of the Algoma Commercial Company. These lines do not coincide with the lines run by myself under instructions from your Department. I have, however, connected these lines with my survey, and their location is shown on the plan by a dotted line.

T'p- 23, R- XII. There is some good pine along the south boundary of this township, especially for a mile and a half east of the Goulais River. The east boundary passes through some good pine scattered among spruce and hardwood. There is a good grove of red pine near the small lake at the north-east corner. Along the north boundary there is not much pine to be seen. There is a large quantity of fine spruce and white birch, with some very large cedar west of the Goulais River, although not much pine can be seen from the lines, there is some very fine pine inside the township. Outside the limits of the survey there is some very fine pine north of Townships 5 G and 5 H.

GEOLOGY.

The prevailing formation in Laurentian. The country drained by the Mississauga and Aubinadong Rivers and their branches is composed of Granite, Gneiss and Syenite, intersected by numerous dikes of fine grained Trap. A large number of these dikes were examined, but no signs of mineral were found in any of them. The contacts between the dikes and the country rock were invariably tight and devoid of vein matter in any form. Around Aubakagama Lake and on some of the islands in the same Huronian rocks occur. These consist chiefly of diorite and a form of slaty schist. In the valley of the Goulais River and its branches Huronian rocks are more in evidence, although they appear to consist mostly of various eruptions in a Granite formation. Owing to the heavy growth of underbrush and moss the rock exposures are not as frequent as the rough nature of the country would lead one to expect. The only place where frequent exposures were to be seen was in the large brule, which occurs up the Aubinadong River. Here the formation is all Granite with numerous trap dikes, as already stated. The country is very rough and exceedingly difficult to travel in. The rock ridges appear to run in all directions with very few valleys that continue for any distance in one direction. In addition to the rock ridges there are numerous hills of boulders and gravel of glacial origin.

There is practically no land fit for agricultural purposes.

WATER AND WATER-POWERS.

A reference to the plan will show the various river systems better than can be done in a written report. However, I may say, that the eastern part of the territory is drained by the Mississauga River and its tributary the Aubinadong River, with its two main branches, the East and the West. The Mississauga River is a large stream, from four to six chains in average width. Within the limits of the survey occur numerous small falls and flat rapids, as well as the famous Aubrey Falls. Here there is a total fall of over one hundred feet and a magnificent water-power could be developed. I understand that the Hydro-Electric Power Commission have already reported on this power. It is doubtful if the other falls and rapids below Aubrey Falls could be used for water power purposes. Just above O.L.S. Niven's Base Line, a long series of continuous rapids commences, which extends as far south as Squaw Chute in the Township of Haughton, a distance of over thirty miles. These rapids can all be run by skilful canoe-men, but the numerous boulder and gravel flats in the river bed will make the driving of timber an expensive matter.

The Aubinadong is a swift, rough stream, flowing over beds of sand and gravel. It is about one hundred feet wide where it joins the Mississauga River. No portages occur from this point, until about two miles south of the north boundary of Township 4 F, where a portage of about eight chains occurs on the east side of the river. Below this portage, however, it is necessary to pole a canoe almost the whole distance, making travel up stream very slow and tedious. Above the forks in the Aubinadong the East Branch contains no heavy falls, but there is a long series of shallow flat rapids which must be poled up. The West Branch is much rougher. A falls of at least fifty feet occurs about a mile north of Township 5 F, where a good local power could be developed, but the quantity of water is not large in the dry season. Both branches of this river could be used for driving timber, although considerable improvements in the way of cribs, slides, etc., would be required. The West Branch is worse than the East in this respect. At the head of the West Branch, however, there is a large lake crossed by the north boundary of the Forest Reserve, where an abundant supply of water could be stored for timber driving or water-power purposes.

The Garden River takes its rise in Saymo Lake. It is a stream nearly a chain wide where it leaves Aubakagama Lake, and flows with a swift current over sand and gravel bottom. Abundant water for timber driving purposes could be stored in Aubakagama and Saymo Lakes.

The Goulais River and its branches drain the whole of the territory west of the Mississauga Forest Reserve and also parts of Townships 4H and 5H. The Goulais River is a large stream with a fast current and numerous rapids. When crossed by the north boundary of Township 23, Range XII, it is about two chains wide, with very little current. About a mile below this point there is a considerable fall where a fair power could be developed.

Aubakagama Lake is the largest body of water in this region. It is a beautiful body of clear water with numerous islands. Saymo Lake, Mashamoga Lake and Sisabie Lake, are also considerable bodies of water. In the northern part of Township 5 G there is a fairly large lake which drains to the West Branch of the Aubinadong. There are also some fairly large lakes in Township 5 H, which run to the Goulais River.

FISH AND GAME.

This section of the country would form an ideal resort for tourists. All the lakes mentioned above abound in speckled trout of large size. The Goulais and Garden Rivers, with their branches, are splendid trout streams. Aubakagama Lake has both speckled trout and grey trout. Moose, deer and wolves are very plentiful. Fresh beaver work was seen in many places, and marten and mink are plentiful. This country does not appear to be much frequented by trappers.

The magnetic variation averages about three degrees, forty minutes west, but in a number of places there is a great deal of local attraction. Wherever any pronounced local attraction occurred the particulars were noted in the field notes.

Astronomical observations were taken wherever possible and the details entered in the field notes.

Enclosed herewith are field notes, plan and timber plan, also account in triplicate, all duly attested.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) JAMES DOBIE, O.L.S.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 20.

SURVEY OF TOWNSHIP OUTLINES IN THE MISSISSAGA FOREST RESERVE,
DISTRICT OF ALGOMA.

ORILLIA, January 26th, 1910.

SIR,—Pursuant to instructions received from you bearing date of the 25th day of May, 1909, for the survey of Township outlines in the Mississaga Forest Reserve, in the District of Algoma, we proceeded to make such preparations as were necessary to enable us to carry out the work outlined therein, and on June 24th following our canoes left Biscotasing for the journey south. The route followed in reaching the site of the work was up the Spanish waters, through Canoe Lake, and over the divide into the waters of the Mississaga, passing through Upper Green Lake. This route is a good one, having comparatively few obstacles to travel and being composed mostly of lakes, but owing to its tortuous character is somewhat lengthy in comparison with the straight line course. The portages were found to be well travelled and in good condition. Not being familiar with this part of the country and not having been fortunate enough to secure any one who had been previously over the route, travelling was perhaps a trifle slower than would have been the case had we been possessed of an experienced guide, as there are many water stretches along the way which open out invitingly and seemingly beckon the traveller from the narrow but not at all straight paths that lead to the main river stretch of the Mississaga. We successfully avoided these enticing byways, however, and arrived at the crossing of O.L.S. Niven's first merid-

ian on the Mississaga River on the 30th instant. Here we divided our party, sending some down the river with supplies and with the remainder packed down Niven's meridian to the post at VI. M. and there commenced our first base line west from that point.

Owing to cloudy weather conditions we were unable to procure an observation at the above starting point and were forced, upon this account, to carry the line on by using the line run east from the same point as a basis to obtain bearing. It was not until we had run about four miles in this way that an observation could be procured, and then the line was found to be bearing twenty-three minutes too far to the south. At the IV. M. post the line was deflected to a course due west, and thereafter observations were secured at each meridian intersection and the back checks in all cases were found to be satisfactory. At the measured points of six miles, twelve miles, eighteen miles and twenty-four miles on the base line meridians were turned north and south, those running south ending at the base line run by O.L.S. Niven in 1902, and their northerly continuations being carried to their intersection with our second base six miles to the north of our first base line. A peculiar accident in regard to this first base line is the manner in which it intersects the meridian run by O.L.S. Niven thirty miles west from our starting point, the base line coming out only one and one-half links to the north of the iron post planted on this meridian at VI. M. The second base line was commenced from the chained distance of six miles north from the first base line measured on the fourth meridian, and run west to Niven's meridian of 1902, and east to the meridian passing through our starting point, for the first base. Wooden posts were planted on both base and meridian lines, with the mileage marked from I. to V., dating on the base lines from the meridian to the east, and on meridian lines from the base line to the south. In cases where the mileage points fell in a lake or other position unsuitable for planting a post, posts were planted at the nearest suitable point and marked with the distance dating as aforesaid. At all intersections of base and meridian lines, or as near such intersections as circumstances would permit, with the exception of the intersection of the second base line with Niven's meridian of 1902, forming the north-westerly angle of Township 4 D, iron posts were planted marked with the names or designating numbers of the adjacent townships. Wooden posts were also planted alongside these iron posts. The extremely rough and precipitous nature of the country passed over by these lines renders accurate chaining impossible and always liable to error. The transit can work within much narrower limits of error than can be assigned to the chaining and we are of the impression that more accurate work could be done by using instrumental measurements from one transit station to another to determine intersection points than by ordinary chaining. The lines were well blazed and cut out for long sights from hill-top to hill-top, where station pickets were planted firmly and rock mounded where necessary, so that exact line points could readily be picked up if required in the near future.

TOPOGRAPHY.

The country traversed by this work is generally of an extremely rough and hilly character, level ground being of rare occurrence and unimportant in extent. There appear to be no well defined ridges, the surface being almost wholly occupied by more or less rounded hill masses, often presenting a precipitous face, and rising from one to three hundred feet above the valley-like depressions surrounding their bases. No matter in which direction one travels, if a straight line be fol-

lowed, the same continuous succession of hill after hill is encountered. Owing to the dense forest growth, views of any wide extent are not usual, but in some instances, especially along the second base line where the line enters the fire area, a wide sweep of country could be seen and its general character observed. These hill masses are so tightly packed together that in many instances the lakes present so attenuated an appearance as to be at first sight mistaken for rivers.

WATER AREAS.

The main drainage of the area considered is through the Mississaga River and its main tributaries the Abinette and the Wenebagon. The Mississaga enters this area from the east, crossing Niven's first meridian flowing in a south-westerly direction, at a distance of about $1\frac{1}{4}$ miles southerly from the north-easterly angle of Township X, thence it turns north-westerly, crossing the north boundary of said township about ten chains east of the 11 M. post and looping back again at 111 M. the base line crossing at the latter point just above Hanging Stone Chute. It's general character in this stretch is that of a narrow lake-like expansion with only moderate current. From Hanging Stone Chute the course of the river is south-westerly, crossing, paralleling and recrossing the south boundary of Township X. in a flat loop near the south-westerly angle of said township. This stretch has fairly strong current and numerous rapids. At about fifty chains west of the meridian boundary of Township X and 4 A, the river takes a north-westerly course through a marshy flat to its junction with the Abinette, the latter river entering from the north at a point about two miles south from the centre of the north boundary of 4 A. The course through this marshy flat is tortuous and the current swift. From the Abinette the river turns slightly south of west, passing a large island in its course and crossing the meridian boundary between 4 A and 4 B at about $2\frac{3}{4}$ miles. Rapids occur at the island, the northerly channel being used as the canoe route. From the boundary 4 A, 4 B, the general trend is slightly north of west till Green Lake is reached. This lake has an extension north-easterly and south-westerly of about $1\frac{1}{4}$ miles by about $\frac{3}{4}$ mile and touches at its westerly extremity the meridian boundary 4 B and and 4 C. It lies almost completely north of the river channel, the latter flowing through it but a short distance along its southerly shore. One fall occurs on the last mentioned stretch at about $\frac{3}{4}$ mile westerly from the boundary 4 A-4 B, and is avoided by a portage on the south bank. From Green Lake the river takes a southerly dip, crossing the meridian 4 B-4 C near $2\frac{3}{4}$ mile from here after passing the falls on a westerly course at about a mile west from the said meridian, the river widens and enters the eastern extension of Lake Minnesinaqua, a considerable body of water extending across Township 4 C and the south-westerly corner of 4 D. The river again debouches at $1\frac{1}{2}$ miles on a southerly course across the base line on the southerly boundary of 4 D and turns westerly, crossing Niven's second meridian at a distance of about a mile south of the south boundary at 4 D, thence northerly again, crossing the meridian to the east, flowing directly along it for some distance and finally turning west at Aubrey Falls. The Wenebagon enters from the north about a mile south from the base line and a quarter of a mile east from Niven's meridian just below a bad rapid on the Mississaga. The water of the Mississaga is clear and dark, carrying little sediment and flowing usually over a sandy or gravelly bottom. With few exceptions the valley is narrow and hedged in by rugged hills. Owing to the lack of rain during July and August the water in this as well as its tributary streams was very low, so much so that our party readily crossed dry shod on the stones at

the head of Hanging Stone Chute late in September, and the shallow water on the rapids sometimes necessitated light loading the canoes. The second base line crossed the Abinette River about two chains above the head of a falls of about five feet, and this also was crossed by walking on the stones. This latter river is about one chain and seventy-five links wide at this point and flows through a level flat of about half a mile in width where crossed by the base line. This flat is sharply bounded where crossed by this base line on its easterly side by a vertical wall of rock about thirty feet in height and forming a remarkably straight line to the north. The Wenebagon River is crossed by the first base line at V. M. where it is one and a quarter chains in width with a moderately swift current, has clay banks extending about four feet above low water, and is turbid. The channel is here very crooked and flows through a marshy flat of nearly half a mile in width which is apparently all overflowed at the high water stage of the river. Back of the river rim the ground rises a few feet above the marsh for a distance of two or three chains, forming a fringe of small elm, black ash and alder. This stream is important as traversing the main pine area in the district covered by the survey. As we did not, however, have a canoe on this river we are unable to describe its character between the first and second base lines, the latter of which it crosses between IV. M. and V. M. north of 4 D. Numerous smaller streams traverse this area, draining into the Mississaga or, in the southerly part, into the branches of the White River, some of which will doubtless form valuable adjuncts in carrying out future lumbering operations.

The chief lake area is the Minnesinaqua, already mentioned, a fine body of water with numerous sand beaches and well timbered shores on the south, and containing a number of well-wooded islands. One of the latter is crossed by the meridian line 4 C-4 D in the narrow part of the lake, and the base line crosses near its southerly extremity, the southerly bay of the lake, between mileage V. M. and VI. M. 4 C. The whole country surface is dotted by smaller lakes of greater or less extent, many of which are crossed by the lines. A somewhat large lake crossed by the second base line between I. M. and III. M. on the north boundary of 4 D contains an island crossed by the line which presents a peculiar appearance, having been cleft so deeply from the north as to be almost cut in two. A considerable chain of lakes also extends southerly from the Mississaga, following closely along the third meridian and form a fairly well travelled canoe route to the south. This canoe route commences by a portage of about a mile leaving the Mississaga a short distance west of the meridian 4 B-4 C and crossing the first base line about one and a half miles west of the first meridian. Another canoe route apparently of less importance, leaves the Mississaga up the small marshy creek entering just south of first base line and a short distance east of the first meridian, 3 A-W. Canoe trips are also made north from the Minnesinaqua through Round Lake, but as we did not have any very definite information regarding the location of the latter lake, and the creek entering the former lake was found to be too shallow for loaded canoes, we found it preferable to pack over the lines. Numerous portage trails intersect the country, but are apparently only travelled by the Indians on their hunting expeditions, are poorly marked and not nearly so well travelled as the trails made by the moose.

TIMBER.

Almost the whole of this area shows the effect of destructive fires at dates more or less remote. That part lying north of the Mississaga River and east of the second meridian appears to have suffered worst in this respect from recent

conflagrations, the forest here showing an average growth of from twenty to thirty years. Much of the country south of the river and over the whole area shows streaks and patches, sometimes of considerable extent, of brulé of the above character. In many places through this brulé, which contains a thick growth of spruce, jack pine, white birch and balsam and to a lesser extent of tamarac, seedlings of white and red pine are beginning to gain a foot-hold, and will doubtless, if properly protected, again gain the supremacy once held by this species in the forest growth. South of the river and west of the second meridian the country is largely occupied by timber of larger growth and of the same species mentioned above. Next to the white and red pine, the jack pine probably stands first in importance and much of this is fit for lumber and ties. Some fine timber of this latter species is to be found along the meridian boundary of 3 A-3' B, tall straight trees of a diameter extending to 18 inches. Timber of the same character is plentiful on the first base line westerly from II. M. 3 B to the lake at the meridian intersection and southerly along the meridian 3 B-3 C to the lake at III. M.; and also in the tract cut by the first base line west from II. M., 4 C to Lake Minnesinaqua. Again along the meridian 4 C-4 D, northerly from IV. M., a similar quality of jack pine is met with. Associated with the jack pine in the larger timbered area there is a considerable quantity of spruce running to 14 inches in diameter and also some white poplar. White birch, though much in evidence, seldom exceeds ten or twelve inches in diameter, and does not appear to be of much commercial value. Balsam in many places forms a thick undergrowth, and thickets of moosewood and hazel serve effectually to screen any object more than a few feet away. Scattered red pine and white pine up to 24 inches in diameter, in about equal proportions, are met with from mileage 1 to 3½ on the north boundary of Township W, and also in small bunches and scattered trees along the westerly boundary of the same. It would appear that this township would afford sufficient pine to render lumbering profitable. Again, along the northerly boundary of 3 C, extending from III. M. to Lake Minnesinaqua there is a good sprinkling, chiefly of white pine, ending in a thick pinery at the shore of the lake. Along the meridian forming the boundary 3 C-3 D, pine, scattered or in small bunches, is also met with. Scattered trees also occur in the area lying between the southerly shore of Lake Minnesinaqua and its river outlet and the first base line. There is scattered pine in considerable quantity along the meridian line 4 C-4 D from IV. M. northerly and westerly along the second base line to the large lake at I. M. 52.51 chains. Travelling east along the second base line scattered trees and small blocks are met with at intervals as far east as III. M. on the north boundary of 4 B. By far the most important pine area passed through, however, lies adjacent to the Wenebagon River in the westerly part of Township 4 D. This area is entered on the first base line at about III. M. on the south boundary of 4 D and continues with slight interruptions across Niven's second meridian, forming the westerly boundary of the said town-ship. On the second base line this area is entered at IV. M. about half a mile east of the Wenebagon and continues across the west boundary of 4 D. Streaks and patches of burn cut this tract, but it still presents a fine appearance of almost solid pinery, and from the second base, where a good view could be obtained to the south, it extended as far as the eye could reach. The average of the pine seen in this block would appear to run about 14 logs to the thousand, and the timber of good quality, sound and generally free from defects, with the exception of a little stump rot. The white pine would probably average well over 60% of the whole. The Wenebagon, cutting the tract centrally, leaves little to be desired in the way of transport for the logs.

A fire area of so recent date that little growth has yet been made was passed through, apparently near its southerly edge, by the first base line. Commencing just west of the second meridian bounding 4 A-4 B this tract continues for nearly two miles along this base line and extends northerly to the Mississaga. It has occupied by a tangled slash of windfall timber very difficult to traverse and presents the usual desolate appearance characteristic of such a condition. There was also a fire of considerable proportions raging north of the Mississaga in the early part of the summer, dying out probably in August. This was confined mostly to the brulé country, and would appear, from such observations as we could make, to have worked from the river northerly to a short distance beyond the second base line. From several hill points on the latter line its northerly limit could be seen in rounded patches of burn in the otherwise green country. The greatest continuous distance passed through in this burn by the lines was on the second meridian, 4 A-4 B, from a short distance south of IV. M. to the second base, with slight interruptions. This fire was not in the nature of a clean sweep, but of the usual patchy character, leaving green areas surrounded by burn. In some places it was severe enough to form a slash, but generally the trees were simply fire killed. This burn also extends along the second base line at intervals in streaks and patches from V. M., 4 A to the westerly side of the lake at V. M., 4 B. The remarkable recuperative powers of the forest growth were well evidenced through this fire area, as when our second base line was cut through it in September, less than two months after the fire, there was found to be a lusty growth of young birch and poplar more than eighteen inches high rising from the blackened ground.

SOIL.

Speaking broadly, the district is devoid of agricultural possibilities, the thin soil covering the rocks being merely the pulverized sand of the rocks themselves, and the very few exceptions to the rule are contained within very narrow limits of area. A flat of inconsiderable extent is crossed by the third meridian, 4 B-4 C, and extends from about seventy chains south of the Mississaga to the river itself. This flat contains clay alluvium and is covered with small poplar, tamarac and willow. A level, sandy plain covered with small jack pine extends from the creek at 59.59 chains on the 4th meridian, 3 C-3 D to about $2\frac{1}{4}$ miles. The above are the most notable exceptions met with and will serve to illustrate the general character of the country as regards its soil constituent. Its one great use is apparently as a nursery for timber growth.

ROCKS, MINERALS.

From force of circumstances little time can be devoted to the study of rock formations when conducting survey operations. The country, however, is generally overlaid by grey or pinkish rock of granitoid texture, apparently granite of massive structure. This rock weathers to a light grey, or nearly white, and the rectangular cleavage characteristic of the granites was noticeable in many places, the rough blocks lying about the surface, or easily detached from neighboring rock faces, being found most convenient for cross piling about the station pickets in exposed places. There appears to be little or no mica associated with the quartz and feldspar of these rocks, but it contains a dark mineral constituent which is probably hornblende. Numerous greyish or greenish black dykes of trap or diabase are found cutting through the granite, and these were especially numerous

across the burnt section on the second base line between I.M. and II.M., 4 C., running from a few inches to a foot or more in width. Conglomerate outcrop was also reported on the hillside rising from the westerly shore of the first lake crossed by the 2nd base line westerly from the 4th meridian or at mileage IM. 30 chains north boundary, 4D. These rocks appear to be barren of minerals of economic importance. A little specular iron was met with in narrow seams or gashes along the first six miles of the first base line. A milky quartz vein about three feet wide in red coarsely crystalline rock, with a strike north-easterly and south-westerly, occurs on the 2nd base line about eight chains east from the north-west corner of 4C., and it was again found twenty or thirty chains southerly from this point and east of the 4th meridian, when cutting across the rough hills of this locality. A cursory examination did not expose any metallic minerals in this quartz. Another quartz vein of similar character to the above, and about 18 inches in width, was crossed by the second base line on the westerly slope of the hill descending to the easterly shore of the lake cut by the line at V.M. 36.29 chains on the north boundary of 4A. This latter vein does not appear to be mineralized.

The compass seldom shows any marked variation from a mean declination of $5\frac{1}{2}$ degrees west, and is remarkably steady in alignment for a region of this character. This mean was obtained as the average of a large number of observations.

GAME—FUR.

Large numbers of moose frequent this section and could be seen almost any day during the hot weather along the rivers and small lakes. The trails of this animal are everywhere through the woods, leading usually from one lake to another or to the river, and so well beaten that were it not for the absence of axe marks they might be mistaken for well travelled portages. In the northerly part, and especially on the brule section east of the 2nd meridian, red deer are also plentiful. The thick nature of the bush, however, gives little opportunity to see the animals themselves, but on one occasion a doe evidently with fawns close by came within a few feet of the tents when several members of our party were in or about them, and showed no signs of alarm. Signs of bear are abundant, and occasionally the fiendish music of the wolf packs strikes the ear with its unwelcome sound. Abundant indications of the one-time abundance of the beaver are present, but only in a very few places along the easterly part of the 2nd base line were the animals found to be present. Their number appear to have been almost decimated over this region. Little signs of the smaller fur-bearing animals were met with, although the country appears to be regularly hunted by a number of Indian families, as the winter camps of these people were observed in several places.

We have the honor to be,

Sir,

Your obedient servants,

(Sgd.) CAVANA & WATSON.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

*Appendix No. 21.*SURVEY OF OUTLINES OF TOWNSHIPS IN THE MISSISSAGA FOREST RESERVE,
DISTRICT OF ALGOMA.

LITTLE CURRENT, ONT., December 1st, 1909.

SIR,—I have the honor to submit to you the following report on the survey of the outlines of Townships 1A, 1B, 1C, 1D, 1E, 1F, 2A, 2B, 2C, 2D, 2E and 2F, in the Mississaga Forest Reserve, in the District of Algoma, under instructions from your Department, dated Toronto, May 25th, 1909.

Proceeding by the way of Wenebagon Siding, on the main line of the Canadian Pacific Railway, and by the Kapuskasing River, from the height of land, thence into Wenebagon River route to the Mississaga River, we arrived at our starting point on the 29th of July.

Agreeable to instructions, I commenced the work by running south, astronomically, 6 miles between townships 2E and 2F, from O.L.S. Niven's 72-mile post on his base line of 1902; thence west astronomically between 1F and 2F to intersect the line which I ran from the 78-mile post on the said base to form the west boundary of Township 2F; through an error this line is not due south. This line was produced 75 chains and 74 links to intersect the north boundary of township 195. I then continued south between 1E and 1F from my 6-mile corner on the meridian from the said O.L.S. Niven's 72-mile post 6 miles, 58 chains, 30 links, to intersect the north boundary of Township 188.

Returning to the said six-mile corner, I ran east astronomically, a base line between 1E and 2E, 1D and 2D, 1C and 2C, and 1B and 2B, 1A and 2A, to intersect P. L. S. Herrick's line of 1857. At intervals of 6 miles and 77 links on above base line, I ran north to intersect the said O. L. S. Niven's base, and south to intersect the north limits of Townships 182, 176, 169 and 163.

I reopened and reblazed the Herrick line on the north side of my base line 5 miles, 45 chains and 70 links, to his 18-mile post, and on the south side of it 6 miles, 38 chains and 23 links to the north-east angle of Township No. 157, which is identical with the south-east angle of Township 1A. Mile posts were also planted on the Herrick's line. O. L. S. Niven, it appears from notes supplied me, has produced the Herrick line to connect with his base of 1902.

At every mile a wooden post 6 inches square was planted and marked in Roman numerals, cut with a knife; the mileage reckoning from the east boundary of the township on the base line, and reckoning from the north boundary of each township on the meridians.

At each township corner an iron post made from pipe $1\frac{1}{4}$ inches in diameter was also planted, and cut thereon with a cold chisel the township numbers on the sides facing the respective townships. The wooden posts at the township corners were similarly marked. Where a mile came in a lake a post was planted on the shore and marked thereon the miles and chains. Two bearing trees were marked and noted at every post.

The lines were well cut out and blazed on the side of the tree facing the line, also on the sides facing the direction of the line.

The lines were run with a Solar compass carefully adjusted.

The country is very rough and broken in many places, and generally is rolling and hills from 40 to 400 feet high. There is very little level country, and practically no swamp.

The rock is principally granite, intermingled with serpentine and conglomerates.

The soil is a rich, sandy loam and gravel, but so broken with rock and boulders as to be unfitted for anything but timber.

The Mississaga River and its tributary, the White River, and its many branches run through the townships, and afford excellent capacity for driving logs and other timber. The streams all run swiftly, but no falls sufficient for large water power were met with.

Lake Kirkpatrick is a beautiful stretch of water about 6 miles long and from $\frac{1}{2}$ mile to $1\frac{1}{2}$ miles wide. The Indians call it Anuminabing, which comes from anumina, the Indian word for Vermilion paint, which the Hudson's Bay Company sold to them.

The timber is white and red pine, jack-pine, white spruce, white birch, balsam, poplar, cedar, black birch, maple, black ash, small tamarac and black spruce.

The white pine is from 12 to 36 inches and the red pine from 12 to 28 inches in diameter, and is mostly of good quality. There is considerable of it in all the townships, except in the brulé portions. In a few places the white pine is scrubby, but of fair size. The greatest amount of pine to the acre was found along the north boundaries of 1C and 1D. From a mountain on the south side of Lake Kirkpatrick a splendid view of the country was obtained to the north, north-east and north-west, and showed great areas of pine in those directions. From some estimates taken the cut of pine would, in many places, average from 10 to 20 thousand feet, board measure per acre.

An average of about one-third of the northern portion of each of the townships, 2B, 2C, 2D, 2E, and the south-east half of 1A, is an old brulé and appears to contain little merchantable timber. There is some fair-sized scattered pine through it which has survived the fire.

The fire of May, or early June, this season is said to have come from the north down through 2D, and extends also for about from one to two square miles in each of Townships 1D and 1C and 2C, but has done little or no damage to the white and red pine. It has, however, killed the other timber.

The jack-pine and white spruce is pretty evenly distributed, and except in the brulé is from 8 to 18 inches in diameter.

The cedar is of fair quality. The black birch and maple is found principally along the southern limit of the south tier of townships.

The country is an ideal one for the sportsman. Moose and red deer are found at nearly every lake, while a great many of the streams and small lakes are fairly alive with large speckled trout. The small lakes in the south-east corner of Township 2C are particularly noted for speckled trout. Wolves are very numerous. One Indian in our party shot several.

The chief guide of the party, John Undewawadin, a Biscotasing Indian, died suddenly while with us about the 14th of September, and was buried by some of the party, including his brother, Joe Wessigence, at the little graveyard on the east shore of Kin-di-og-a-ming Lake, which is about two miles north of the north-west angle of Township 2B. Lung trouble was apparently the cause of his death.

Great care was taken to extinguish all our fires.

Accompanying this report is the timber map, showing in colors the different areas of timber, also field notes, plan and account.

The canoe routes shown on the plan were drawn from careful sketches made while on the ground, and after ascertaining from the guides, as well as possible, those which I did not see.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) T. J. PATTEN,

Ontario Land Surveyor.

Appendix No. 22.

SURVEY OF TOWNSHIP OUTLINES, DISTRICT OF ALGOMA.

THESSALON, ONT., October 29, 1910.

SIR,—In accordance with your instructions, dated May 25th, 1910, I have completed the survey of certain Township Outlines in and adjacent to the Mississauga Forest Reserve, and beg to submit the following report:

I commenced the survey at the iron post planted by myself in 1909, at the north-east corner of Township 23, Range XII. From here I ran due north, astronomically, a distance of 12 miles, 1.60 chains, to the second base line run by me in 1908. At the six-mile post of this meridian line, I ran due west, astronomically, a distance of 6 miles, 3.80 chains, to the meridian line run by T. B. Speight, O.L.S., in 1898. Returning to the six-mile post mentioned above, I ran a base line due east, astronomically, as a continuous line, a distance of 30 miles, 42 links, to the meridian line run by A. Niven, O.L.S., in 1902. This base line crossed the second and first meridian lines, respectively, run by me in 1908. From a point six miles east of my second meridian line of 1908, a meridian line was run north, astronomically, to intersect my second base line run in 1908, and south, astronomically, to my second base line, run in 1909. From a point six miles east of my first meridian line of 1908 a meridian line was run both north and south to intersect the second base line run by myself in 1908 and 1909, respectively.

The meridian line run by A. Niven, O.L.S., in 1902, was produced north astronomically to intersect my second base line in 1908, and this base line was produced east astronomically a distance of 6 miles from the 12-mile post planted in 1908, the mile posts being marked from XIII. M. to XVIII. M., so as to make the numbering continuous on this line. At a point 1.51 chains east of the XVIII. M. post on this line, I intersected a line run during the present season at a point 81 links north of a post marked VI. M. As my instructions contained no reference to this line, and stated that I was to continue the second base line of 1908, as far as the 18th mile post, I did not plant a post at this intersection, but recorded the details in my field note-book.

At the end of every mile a substantial wooden post was planted and a bearing tree marked wherever possible. If stones were available a mound of them was placed around the post. When the end of a mile came in water, a post was planted on the nearest shore and the chainage marked on the post. The posts and bearing trees are all marked with a scribing iron, and all the details entered in the field notes. At each township corner the post was marked with the designation of the township, on the side facing the township.

Eight iron posts were planted, each one being at a township corner, except one, which was planted at the 18th mile post of the production of the second base line of 1908. Seven iron posts were unfortunately lost in a canoe accident on the Goulais River, and could not be recovered. Each township corner, however, except one, is either marked by an iron post at the corner, or else an iron post planted on a previous survey, is very close to the corner. The distance to each one of these posts from the corner is recorded in the proper place in the field notes.

Only one corner has no iron post nearer than six miles, and that is at the north-east corner of Township 23, Range XIII. Here a substantial wooden post was planted and a mound of stones built around it.

Throughout the survey, the lines were well cut out and properly blazed, and in all cases were run with a transit. Astronomical observations were taken whenever possible, and are recorded in the proper places in the field notes. Every precaution was taken to have the lines so well blazed and marked by stones piled around pickets and posts, that it would be practically impossible for any series of fires to entirely obliterate them.

The survey throughout was difficult, owing to the very rough nature of the country and the poor canoe routes. I had the great advantage, however, of having been over practically the same ground during the seasons of 1908 and 1909.

The country is well timbered with a mixed growth of spruce, balsam, white birch, cedar, jack pine and white pine. The white pine occurs more or less throughout the whole territory, but is more plentiful in the southern parts and appears to give place to large jack pine in the northerly parts. A large proportion of the territory covered by the survey has been burnt over in previous years. The timber plan, which accompanies this report, shows the limit of these burnt areas, as well as they could be estimated from the lines. A short summary of the timber resources of each township is given in detail.

Township 23, Range XIII.—There is a burnt area of apparently about 2,000 acres in the south-east corner of this township. The remainder is covered with a good growth of spruce, balsam, white birch, cedar and white pine, of good quality. The pine occurs in scattered bunches, while the amount of spruce available for pulp wood is very large. The Goulais River crosses the south-eastern corner of this township, while the small streams on the west side of the township run towards some other river, probably the Chippewa.

Township 23, Range XIV.—There is an area of about four square miles of *brulé* in the north-east corner of this township. The timber is very much the same as in the last township, while pine is scattered throughout, the best being in the north-west corner of the township. There is a large amount of spruce suitable for pulpwood. The greater part of the township is drained by branches of the Goulais and Chippewa Rivers, while the streams crossing the north boundary appear to flow towards the Batchewaung River.

Township 22, Range XIII.—There is very little burnt country in this township. The spruce is very valuable, and while pine is scattered throughout, being most plentiful along the east side of the township. This township is drained by the Goulais River and contains a number of fairly large lakes.

Township 22, Range XIV.—There is a considerable area of *brulé* in the north-west corner of this township. Spruce, balsam, white birch and white pine are the prevailing varieties of timber, the spruce being the most important. As in the township previously mentioned, the white pine is scattered. Nearly all of this township is drained by the Goulais River, although a branch of the Batchewaung River rises in the north-west corner.

Township 6H.—This township contains about a thousand acres of brulé along the north boundary near Goulais Lake. There is a large amount of good spruce, with balsam, birch, etc. There is a good growth of white pine in this township, the best being in the south-east corner and along the trail running south-east from Goulais Lake. This is the best area of white pine seen during the season. The township contains a few fair-sized lakes and is drained by the Goulais River.

Township 7H.—There are two large areas of brulé in this township. One is in the north-east corner and covers from 1,000 to 2,000 acres. The other is older and occurs east of Goulais Lake. It covers an area of about 5,000 acres, although the exact extent is hard to estimate. The pine in this township is scattered, and the best timber is spruce, which occurs in fairly large quantities along with balsam, white birch, cedar and jack pine. This township is drained by the Goulais River, although a few small streams on the east side flow towards the Aubinadong River.

Township 6G.—About two-thirds of this township have been burnt over. There is some very good white pine along the west boundary, together with spruce, balsam, cedar, etc. The west branch of the Aubinadong River runs through this township.

Township 7G.—The boundaries of the burnt areas in this township are hard to estimate, but fire appears to have run over at least two-thirds of the township, leaving scattered bunches of green timber here and there, but none of any great extent. Jack pine, spruce, balsam and white birch are the prevailing varieties of timber, with white pine scattered here and there. The best timber is in the north-east corner and along the west boundary. The west branch of the Aubinadong River runs through this township.

Township 6F.—Probably forty per cent. of this township has been burnt over, leaving only scattered clumps of green timber here and there. Along the west boundary of the township there is a large amount of jack pine, suitable for making railway ties, also a large amount of spruce, balsam and white birch. The white pine is scattered and the quantity seen from the lines is not large. The Aubinadong River and its branches drain this township.

Township 7F.—This township has been overrun by at least two large fires and one-half the total area has been burnt, if not more. There is some good white pine and large jack pine in the north-west corner. There is also a large amount of spruce, balsam and white birch, and this class of timber prevails throughout the unburnt portions of the township. The amount of jack pine of marketable size is very large. A tributary of the west branch of the Aubinadong River runs through this township.

Township 6E.—This township has also been overrun by fire, and probably one-third of the total area has been burnt. There is some good white pine along the Aubinadong River. Along the west boundary the prevailing timber is jack pine of splendid quality, with spruce, white birch, cedar and white pine occurring in fair quantities. The east branch of the Aubinadong River runs through this township.

Township 7E.—From thirty to forty per cent. of this township appears to have been burnt over. The best timber is jack pine, of which there is a large quantity. There is also much spruce, suitable for pulpwood, while pine occurs in small quantities scattered throughout. The east branch of the Aubinadong River runs through this township.

Township 7D.—Along the west and north boundaries of this township there is no sign of any visitation by fire. The timber along these lines is jack pine,

spruce, balsam, White birch, with scattered red and white pine. There is a large amount of jack pine of a size suitable for railway ties, and a considerable quantity of excellent pulp timber. The south and east boundaries of this township were not surveyed by me, and I cannot, therefore, speak of the timber along these lines. The west side of this township is drained by the Aubinadong River, while the streams on the east side appear to flow towards the Wenebagon River. As in previous years, little or no agricultural land was seen. The country is very hilly and in places almost mountainous, much broken with high granite ridges. There are also a great number of hills and ridges of gravel and boulders of glacial origin. In fact, the valleys are almost entirely filled with glacial drift.

The Goulais River and the branches of the Aubinadong River are the important streams. They are not very large, however, as in each case the streams rise very close to the limits of the survey. There are no water powers of any importance, although the rivers are all rough and rapid.

The prevailing geological formation is Laurentian, consisting of Granite Syenite and Gneiss ridges, much cut with dikes of diabase. No deposits of economic minerals were observed during the survey, although some claims have been staked for iron in the south-west corner of Township 22, Range XIII. These, I did not visit. In this section of the country, however, there are some areas of Huronian rocks and a few pieces of banded magnetite float were picked up along the lines. Townships 22 and 23, Ranges XIII. and XIV., might be worth prospecting for iron.

Moose, deer and wolves are plentiful, while frequent signs of all the ordinary fur-bearing animals were seen. Partridges were very plentiful, notwithstanding the fact that they had almost disappeared.

The Goulais River and the west branch of the Aubinadong River are full of speckled trout of very large size. The lakes tributary to these streams also afford splendid sport.

The Magnetic Variation averages about 3 degrees 50 minutes west.

Accompanying this report are a plan mounted on cotton; Timber Plan, Field Notes and accounts in triplicate.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) JAMES S. DOBIE.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 23.

TOWNSHIP OUTLINES, DISTRICT OF ALGOMA.

LITTLE CURRENT, ONT., September 15th, 1910.

SIR,—I have the honour to submit to you the following report on the survey of Township Outlines in the Mississauga Forest Reserve, in the District of Algoma, performed under instructions from your Department dated Toronto, May 9th, 1910.

Proceeding by way of Old Wakami Siding, mileage 94, west of Cartier on the Canadian Pacific Railway, I arrived on the ground the 27th of June and started the work by running north from O.L.S. Niven's 6 mile post at the south west angle of Township 7C, 12 miles 73 chains and 78 links to Lake Wenebegon.

Commencing again at the witness post 1 chain and 10 links north of O.L.S. Niven's 18th mile at the south-west angle of Township 6D, a continuous line was run due east astronomically a few chains less than 30 miles between townships 5D and 6D, 5C and 6C, 5B and 6B, 5A and 6A, Y and Z, and intersected the said O.L.S. Niven's meridian 1 chain and 62 links south of his 18 mile post at S. E. angle of Z. I might say that through an oversight this line was run from the above mentioned witness post instead of from the 18 mile distance at south-west angle of township 6D referred to.

From the intersection of this line which I ran east with O.L.S. Niven's meridian at 1 chain, 87 links north of his 6 mile post at the south-east angle of Township 6D, I ran south between Townships 5C and 5D 6 miles, 1 chain, 37 links to O.L.S. Watson's base line of 1909.

From each 6 mile corner on my base line running east above referred to I ran north and south to intersect at about 6 miles the said O.L.S. Niven's base line on the north and O.L.S. Watson's on the south. That between Townships 6A and 6B was run north to connect at about 3 miles O.L.S. Niven's 3 mile post on his meridian run south from the 18 mile post on his base line. The east boundary of 7C was run from a point on the north side of Moule Lake calculated 1 mile east from Niven's 11 mile post on his base line.

All lines were well cut out and blazed on the side of the trees facing the line, also on the side facing the direction of the line.

All lines were run with a solar compass.

At every mile a wooden post 6 inches square was firmly planted and cut thereon in Roman numerals the number of miles reckoning from the east or south side of the Township.

At every township corner an iron post made of one and a quarter inch iron pipe, three feet long, pointed and forged at the top was also planted beside the wooden post. The numbers of the Townships were cut on both these posts on the sides facing the respective townships. The wooden posts at these corners were set so that the lines pass through the angles of the post.

At every post where loose stones were convenient, a cairn was built around it and a record of such cairn made in the field notes.

Two bearing trees were marked and noted. The bearings of such are given from the post to the tree.

Wherever the end of a mile came in water, a witness post was planted on the nearest shore with the mileage and chains, plus or minus, marked thereon and duly recorded in the field notes.

TIMBER—Between 5D and 6D.

The timber on line between 5D and 6D is from 6th mile to $3\frac{1}{2}$ miles, spruce, poplar, birch and jack pine to 15 inches diameter, with some good white pine scattered in places. The balance of the line is old brule with small birch, jack pine and spruce and occasional clumps and scattered white pine.

Between 5C and 6C.

From the north-west angle of 5C on line between 5C and 6C to 7 mile Lake, there is considerable white and red pine of good size and quality. From 7-Mile Lake to the 3 mile post it is old brule with small birch, jack pine, poplar and spruce. From the 3 mile post to north-east angle of 5C it was burned last season with very little timber remaining.

Between 5B and 6B.

This recent burn continues $4\frac{1}{2}$ miles east along line between 5B and 6B, the line then enters green jack pine, poplar, balsam, birch and spruce, principally from 6 to 12 inches in diameter and continues in the same timber with addition of black spruce through the balance of this 6 miles and along line between Townships 5A and 6A and Y and Z to Niven's meridian.

Between 5A and 6A and Y and Z.

At the 3rd mile between Y and Z there is a new burn of about three-fourths of a mile.

On meridian between 5A and Y and 6A and Z.

On the meridian between 5A and Y and 6A and Z the timber is the same as just mentioned, green jack pine and black spruce, birch, balsam and poplar from 6 to 12 inches in diameter. In some places the jack pine is found to about 15 inches.

On meridian between 5A and 5B and 6A and 6B.

This same timber continues along meridian between 5A and 5B and 6A and 6B to a little past the 1st mile on latter line. It then changes to old brule with small jack pine and birch, which continues to O.L.S. Niven's post at 3 miles on north side of Rainy Lake.

At the southwest corner of 5A there is about 1 or 2 square miles of new brule which extends west into 5B.

Between 5B and 5C.

On the meridian between 5B and 5C going north the line for the first 3 miles runs through jack pine and white spruce, balsam and cedar to 15 inches diameter. There is some white and red pine in first mile and considerable large white and red pine in the third mile.

Near the third mile the line enters the newly burned country with very little timber and continues in it to end of 6 miles, and on to near end of fourth mile on line between 6B and 6C.

Between 6B and 6C.

In the 2nd mile on line between 6B and 6C there is about half a mile of green bush. From 4th mile to Moule Lake the timber is green jack pine, spruce, poplar and birch to about 12 inches diameter.

East limit of 7C.

Continuing north this timber is found on east limit of Township 7C. On 2nd and 3rd miles there is some scattered white pine.

On meridian between 5C and 5D.

On the meridian between 5C and 5D the line is in large green cedar birch, spruce and poplar for the first 47 chains going north. It then enters old brule with timber mostly small birch, poplar, spruce, jack pine, with occasional clumps of large timber which has escaped the fire.

These clumps continue for about $1\frac{1}{2}$ miles. The balance of the 6 miles is in old brule with small timber. In many places on this 6 miles and on both sides of 7-Mile Lake, there is considerable white and red pine of good quality and from 10 to 24 inches in diameter, which has survived the fire.

Meridian between 7C and 7D and north to Lake Wenebagon.

On the meridian between 7C and 7D the first mile is in old brule with small jack pine. It then enters green jack pine, birch, poplar and spruce to about 12 inches diameter. This timber continues to end of 6 miles and on north to about $3\frac{1}{4}$ miles in next line. It then enters the old brule again with small jack pine, birch and spruce, which continues to Wenebagon Lake. Along this 13 miles there is scattered white pine of good size.

To the south and east of Wenebagon Lake there is considerable large white pine of good quality in the old brule.

The black spruce in Townships 5A, 6A, Y and Z will run from 5 to 10 cords per acre of pulpwood in most of the swamps. There appears to be a larger percentage of swamp in these townships than in the others. Probably 10 per cent. of the area is swamp.

I have shown as accurately as possible on the accompanying timber map in colors the area of the different timbers.

The country is mostly rolling with occasional hills from 40 to 100 feet high. The soil is all a rich sandy loam, but so broken with rock and boulders that it is unfitted for anything but timber.

The rock is all red granite. In places small deposits of iron pyrites were observed.

The magnetic variation is principally from 3 degrees to 6 degrees west. The mean of a great number of readings shows 4 degrees, 40 minutes west.

The only considerable water power met with is on the Wenebagon River in Township 7C. There the fall in about one-quarter of a mile is about 20 feet.

There is also about 10 feet of a fall in a quarter of a mile in the rapids just below Wenebagon Lake.

The Abinette or Wabinette River is a fine stream about a chain wide in the lower part and about half a chain in the upper stream and is navigable in low water for loaded canoes to the south-east corner of Township 6A.

The west branch of this stream is usually navigable for loaded canoes but in low water is very tedious. We brought most of our supplies through by Embrass River and the long portage to Moule Lake and from there into the west branch of the Abinette by the canoe route shown on the plan.

The Embrass River above the portage about a mile or two from the mouth is badly obstructed for some distance, but above that is very good for canoes.

The Wenebagon is a clean, open river from the lake down to south line of 6D. It is said to be obstructed a good deal with driftwood below that.

Very great precautions were taken to avoid any risk whatever of fire spreading from our camp fires.

Moose and red deer are very plentiful. Pike seems to be the only fish in that region. In a number of places beaver are rebuilding old dams.

Accompanying this report are the account in triplicate, plan, field notes and timber plan.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) T. J. PATTEN,

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 24.

SURVEY OF TOWNSHIP OUTLINES IN THE TEMAGAMI FOREST RESERVE,
DISTRICT OF NIPISSING, 1909.

EGANVILLE, ONT., January 31st, 1910.

SIR,—I have the honour to submit the following report on the survey of certain township outlines in the Temagami Forest Reserve, District of Nipissing, made by me under instructions from your Department, dated the 27th day of May, 1909.

I left Latchford with my party on the eighth day of June last and proceeded by canoes up the Montreal River a distance of about fourteen miles, to where it is joined by the Mattawapika River; thence up the Mattawapika River, through the Lady Evelyn Lake, and up the river of the same name until I reached the Township of Gamble. The river crosses the south-west corner of this township and is joined by a small creek from the south, which creek crosses the south boundary of the above township about ten chains east of the post at its south-west corner, which post I made the starting point of the survey.

I was able with some difficulty to get my canoes up this small creek. The whole journey from Latchford occupied six days. The first half of the route is good canoeing, being largely through lakes; in the latter half, however, rapids are numerous and are difficult to get up with large canoes even in high water. The last day of the journey we were obliged to do considerable wading as the river becomes only a small creek, very shallow in places, and very crooked. I would not consider this route practicable for large and heavily loaded canoes at any time except during the spring floods.

The survey was commenced by taking an observation at the post planted by O.L.S. L. V. Rorke at the south-west corner of the Township of Gamble, and running west astronomically from it in six mile chords of latitude, intersecting

the line between the Districts of Nipissing and Sudbury run by O.L.S. A. Niven in 1896, at a point four chains and fifty-five links south of his forty-second mile post. These six mile chords form the south boundaries of the Townships of Corley, Leckie and Dufferin, the boundaries between which were run north astronomically to intersect with the second base line, which was run west astronomically from a post planted by O.L.S. Rorke on the easterly shore of Smooth Water Lake. This post was sixty-eight chains and fifty-four links west of the meridian forming the west boundary of the Township of Gamble, and forty-two chains and fifty links west of the meridian forming the west boundary of the Township of Brewster.

The first and second meridians forming the west boundaries of the Townships of Donovan and Charters, and the Townships of Ray and Leith, respectively, were run north astronomically from the second base line to intersect the line forming the south boundary of the Townships of Nicol and Milner, run by O.L.S. Rorke in 1908 and 1909.

The third base line was run west astronomically to the district boundary from a birch post planted by Mr. Rorke at the south-west corner of the Township of Corkill. An iron bar was planted alongside of this post and both were marked with the names of the townships in accordance with my instructions.

The fourth, fifth and sixth base lines forming the north boundaries of Leonard, Tyrrell and Knight, respectively, were run west astronomically from the south-west corner of Milner and the north-west corner of Van Hise, respectively, which corners were previously established by O.L.S. Rorke's survey.

The meridian between the Townships of Rankin and Raymond was run north astronomically from the north-west corner of Van Hise a distance of six miles, three chains and thirty-seven links, where both a wooden and an iron post were planted, being marked with the above chainage on the south side. The six mile point was found to come in the waters of Duncan Lake.

The details of the survey will be found in the field notes. The lines were well opened out and well blazed. Iron posts one and one-quarter inches in diameter were planted alongside of wooden posts at the township corners and both were marked with the name of the township on the side facing the township. Substantial wooden posts were planted at every mile and marked with the number of miles which they were west or north of the nearest township corner. Bearing trees were taken for all posts and recorded in the field notes.

Observations for Azimuth were frequently taken, but cloudy weather prevented their being taken as often as desired. The magnetic variation of the needle, while somewhat erratic in places, was mostly found to be from six to eight degrees west.

GENERAL DESCRIPTION.

The tract of country included in the survey is mostly rough and broken; the Townships of Corley and Donovan and the easterly parts of Leckie and Ray being particularly so; in these the hills often rise to elevations of from three to four hundred feet above the level of Smooth Water Lake. Rock outcrops are very numerous over the entire area. There are some swamps in the valleys but they are mostly of small extent. There is one of considerable size in the Townships of Leckie and Ray on either side of the Sturgeon River. From one-third to one-half of the area of these two townships is of a swampy nature, the timber

being chiefly spruce from four to eight inches in diameter. These swamp areas when cleared and properly drained could possibly be profitably cultivated but outside of them the country offers nothing from an agricultural standpoint.

WATER.

The country in this region is well watered; small lakes and creeks are numerous. The more important streams are the east and west branches of the Montreal River, the Sturgeon River and the Wapoose Creek. These streams have no great volume of flow as the watersheds of each are not very extensive. They, in combination with the numerous lakes, furnish excellent facilities for travelling by canoe.

There are no water powers of much importance in the country surveyed. The only falls that occur are the Bridal Veil Falls on the east branch of the Wapoose Creek in the Township of Leith. They are from thirty to thirty-five feet in height, but the volume of water is so small that it is questionable if much power could be developed from them at all times of the year. As their name might suggest they are quite interesting from a scenic point of view. Splendid springs of pure cold water are often found.

TIMBER.

There is considerable timber of commercial value in this district. White and red pine are not often found in any quantity but are scattered more or less over the entire area. It is particularly noticeable along the shores of Smooth Water Lake and for two or three miles below on the banks of the Montreal River. It ranges in size from twelve to twenty-four inches in diameter. It is rough in quality but fairly sound. Banksian pine are abundant and vary from eight to twenty-four inches in diameter. Spruce, balsam, birch and cedar, also tamarac and poplar, are distributed pretty generally and are found up to twenty or twenty-four inches in diameter. There are considerable areas in the Townships of Raymond, Knight and Tyrrell which seem to have been burned over some years ago. They are now covered with a small thick growth of chiefly birch, poplar, spruce and balsam. Fire only a few weeks previous to this survey burned over a considerable portion of the parts of the Townships of Knight and Tyrrell south-west of Pigeon Lake and the Montreal River, destroying nearly all the timber and leaving a black brule. This fire originated north-west of Pigeon Lake, and was still smouldering along the west branch of the Montreal River in the latter part of August.

MINERALS.

The entire territory included in this survey has been prospected for silver within the last two years and prospectors' camps were numerous. Outcrops of diabase were found in every township and were almost invariably staked. A good many prospectors seemed to be occupying themselves more in looking for areas not yet claimed than in actually searching for minerals.

Geological surveys have been made of the whole country by experts from the Bureau of Mines, so it would be superfluous for me to discuss the rock formation, etc., in this report.

An effort was made to "tie on" all surveyed mining claims, and they are shown on the plan and in the field notes. I found it impracticable to keep record of claims staked but not surveyed.

GAME.

The country abounds with moose, deer are not so plentiful. Evidences of the presence of bears were occasionally seen. Beaver are abundant and the smaller fur bearing animals are found. Fish were fairly plentiful in the lakes and streams, pike and pickerel being the most common, grey trout were caught in Smooth Water Lake from three to five pounds in weight and we were told by prospectors that they have been taken up to fifteen pounds.

Accompanying this report are a general plan, a timber plan, field notes and account in triplicate.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) HERBERT J. BEATTY.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 25.

SURVEY OF TOWNSHIP OUTLINES IN THE TEMAGAMI FOREST RESERVE,
DISTRICTS OF NIPISSING AND SUDBURY, 1909.

GUELPH, ONT., December 31st, 1909.

SIR,—I have the honour to submit the following report on the survey of township outlines in the Districts of Nipissing and Sudbury in the Temagami Forest Reserve in accordance with instructions from your Department dated May 31st, 1909. Leaving Sudbury on the morning of the 7th of June, I proceeded by wagons to Lake Wahnapiatae, then crossing the lake by canoes I ascended the Wahnapiatae River to the north boundary of Parkin Township. After taking an observation on Polaris for meridian I commenced my survey at the north-east angle of that township and ran north six miles along the east boundary of Fraleck to the north-east angle of that township. I then turned west and ran the north boundary of Fraleck and from the post at the north-east corner of Creelman Township I ran north on the boundary between Grigg and Beresford six miles to my second base line. From that point I ran east six miles and then west six miles to O.L.S. Niven's district line of 1896.

By moving my supplies up the river as the work progressed and running the base lines as they were reached I produced the two meridian lines northward until they intersected the base line surveyed by O.L.S. Beatty earlier in the season and which formed the north boundary of the Townships of McLeod and Stull.

After producing my fourth base line westward to the north-west angle of the Township of Leask I proceeded by way of Welcome Lake and the Wahnapiatae River to the forty-two mile post on O.L.S. Niven's district line, from which my fifth base line was started. This line I ran west six miles to the north-west angle of the Township of Unwin and then turned south and ran the meridian form-

ing the west boundaries of Unwin, Leask, McNamara and Beaumont to its intersection with the base line run by O.L.S. Proudfoot in 1888, and at the same time completing the north boundaries of the two last named townships as they were passed.

The base lines were run as six mile chords of a parallel of latitude and frequent observations were taken throughout the survey to verify the accuracy of the work. The lines were well cut out and well blazed and a substantial wooden post was planted at the end of each mile and marked in Roman numerals, on the east or the south side, with the number of the mile counted west or north from the township corner. Where loose stones were convenient a mound was built around the post, bearing trees were also blazed and marked at each post. At each township corner an iron post $1\frac{1}{4}$ inches in diameter was planted beside the wooden post and both were marked with the names of the adjacent townships.

The country included within the limits of this survey is for the most part rocky, much of it is extremely hilly and very little of it is suitable for agricultural purposes. The greater part of it is drained by the Wahnapiatae River, which is, throughout the most of its length, a swift flowing stream broken by numerous rapids. During low water the volume of the flow is small and therefore it will not have much value for the development of power. Through the kindness of Mr. W. R. Rogers of the Bureau of Mines I am able to show a correct map of this river and of Burwash and Welcome Lakes.

The Sturgeon River drains the Township of McLeod and the eastern part of Haentschel. Above the junction of the Stull branch it is a small stream and little used as a canoe route.

The Vermilion River crosses the south-west corner of Beaumont and drains most of that township and the western part of McNamara. This stream is also small during low water.

The main line of the Canadian Northern Railway here follows closely the west bank of the Vermilion. At the time of survey the work of grading was well advanced and the rails have since been laid.

The country is fairly well timbered. White pine of medium quality was found scattered over a considerable portion of the area. Jack pine of good size and quality is found in large quantities in some townships, there is also a large amount of spruce suitable for pulpwood and some poplar, balsam and white birch.

There was considerable activity among prospectors in the northern part of the country this year, a great many claims have been staked and some promising indications of silver are said to have been found.

Very few fish were found in the lakes and streams and small game was scarce. Red deer were scarce but moose were plentiful and a few bears and beaver were seen.

Accompanying this report are the field notes of the survey and a map of the townships outlined and a timber plan.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) JAMES HUTCHEON.

The Honourable, The Minister of Lands, Forests and Mines,
Toronto, Ont.

*Appendix No. 26.*SURVEY OF TOWNSHIP OUTLINES, TEMAGAMI FOREST RESERVE,
DISTRICT OF NIPISSING.

NEW LISKEARD, ONT., December, 1909.

SIR,—I beg to submit the following report on the survey of Township Outlines in the district between Lake Temagami, Lady Evelyn Lake, Mattanapika River and the Anima Nipissing Lake in the District of Nipissing, performed under instructions dated July 22nd and September 15th, 1909.

I commenced my survey at the south-east angle of the Township of Rorke and ran the south boundaries of Leo, Dane and Kittson, due east astronomically (six mile chords) to intersection with the westerly boundary of the Township of Coleman. The northerly three miles of the boundary between the Townships of Leo and Dane, previously run by O.L.S. L. V. Rorke, was produced to intersection with this line, and then produced southerly to intersection with the line produced due west astronomically, from the north-west corner of the Township of Chambers, from a point on this line, six miles south of the Township of Dane, the south boundary of the Townships of Cole and Brigstocke was run east astronomically (six mile chords), a distance of twelve miles; from six mile posts on this line meridians were run north and south to intersection of east and west lines already described.

The above lines were well opened up and the adjacent trees blazed as in the usual manner, while wooded posts of the most durable material available, properly and distinctly marked, were placed where possible at the even miles from the southerly or easterly extremities of the above lines. Where these points came in the water or on the face of a rock or otherwise, the posts were planted at the nearest suitable point with the chainage in miles, chains and decimals marked on the proper faces of the post. Posts were in all cases firmly planted, generally a mound of stones being built around the post to render it more permanent, and suitable bearing trees were marked and recorded in the field notes.

Iron bars marked with the chainage and name of adjacent townships were placed alongside of wooden posts at the following points, viz.:

On the south boundary of the Township of Leo, at the easterly shore of Willow Island Lake, at the south-east corner of the Township of Leo, at the south-east corner of the Township of Dane, at the north-east corner of the Township of Dane, at the north-east corner of the Township of Brigstocke, at the south-east corner of the Township of Kittson, at the south-east corner of the Township of Brigstocke, at the south-east corner of the Township of Cole, at the south-west corner of the Township of Cole. No iron bars were planted on the south boundary of the two unnamed townships to the south of the other townships, whose outlines I surveyed.

At frequent intervals throughout the survey observations on Polaris were taken for the purpose of obtaining Azimuth and the magnetic variation which ranges between eight and nine degrees west of north was noted, the results being entered in the field notes.

Throughout the survey the chain bearers were duly impressed with the importance of their duties, particularly with regard to care and accuracy in their operations and the necessity of keeping the field notes so that the natural features would be plainly shown.

SOIL.

This territory, if deprived of its timber and vegetation, would present a very barren and inhospitable appearance, the surface being generally rock or boulders and loose stones with very little soil except in the swamps. Any soil present consists of sand or a very light sandy loam of a questionable agricultural value. The only settler in the country is located at the outlet of the creek from Red Squirrel Lake into Sandy Inlet on Lake Temagami.

ROCK FORMATION.

The whole country is composed of sharp rocky ridges, generally lying in a northerly and southerly direction with frequent cliffs and abrupt descents. The rock is principally diabase of the Past Huronian period, and quartzite slate and conglomerate of the Lower Huronian. Considerable prospecting has been done throughout the more accessible part of the country. Several properties are being developed this winter and it is expected that by spring a more definite knowledge of the country will be obtained.

TIMBER.

The most of the timber of this country has been burned away and now it consists principally of second growth poplar, birch, spruce, balsam and small pine. Some small groves of red and white pine have escaped the fire, the principal one being noticed from the line between the Townships of Dane and Kittson. It appears to extend both east and west from this line for a considerable distance. Also along the fifth mile of the southerly production of the east boundary of the Township of Brigstocke a small grove was noticed just to the east of the line. Banksian pine is pretty well distributed throughout this region, but it is of a small size and generally pretty scattering. Very few swamps were met with, but in these spruce and a few cedar of fair size and quality were noticed, while the tamarac, as is common throughout this northern part of Ontario, is dead.

There are no water powers of any value in this country, which is somewhat curious from the large number of streams and lakes that are constantly met with. It is from this fact and also from the beauty and picturesqueness of the landscape when viewed from a canoe that has caused this region every fall to become a Mecca of tourists. Nothing need be said about the beauties of this country or its fame as a fishing or hunting preserve. It has been effectively and repeatedly described by the various pamphlets issued by our railway companies, by the many articles in our sporting magazines and by the press in general.

Accompanying this report is a general plan on a scale of one mile to an inch, a timber plan of the same scale, field notes, oaths of chainmen and all the other necessary documents.

All of which is respectfully submitted.

I have the honour to be,

Your obedient servant,

(Signed) C. H. FULLERTON,

Ontario Land Surveyor.

The Honourable, The Minister of Lands, Forests and Mines,
Toronto, Ont.

*Appendix No. 27.*SURVEY OF TOWNSHIP OUTLINES IN THE TEMAGAMI FOREST RESERVE,
DISTRICT OF NIPISSING, 1908.

TORONTO, ONT., November 30th, 1908.

SIR,—I have the honour to submit the following report upon the survey of certain Township Outlines to the east of the East Branch of the Montreal River in the Temagami Forest Reserve, made by me under instructions from your Department, dated the twenty-seventh day of May nineteen hundred and eight.

Leaving Latchford on the tenth day of June with my party and outfit I proceeded via the Montreal River to the field and commenced operations in due course. The first meridian line was run due south from a point six miles due west of the north-west angle of the Township of Farr and forms the eastern boundary of the Townships of Morel, Haultain, Nicol, Charters and Donovan. The second meridian line was run north from a point six miles due west from the south-west angle of the Township of Rorke and forms the eastern boundary of the Townships of Gamble, Brewster, Corkill, Lawson, Chown and Shillington.

Base lines were run six miles east and six miles west from the north-west angles of the Townships of McGiffin and Tretheway, in other cases were produced west from points established last year.

Three of these were produced westerly to the East Branch of the Montreal River, as follows:

The north boundary of the Township of Morel intersecting at Sisseney Lake, the north boundary of the Township of Nicol at Burk Lake and the south boundary of the Township of Donovan at Smooth Water Lake.

From the last mentioned intersection I connected by triangulation across Smooth Water Lake with P.L.S. Sinclair's 1 mile point on his survey of the East Branch of Montreal River made in 1867, where I found an eight inch red pine tree blazed on four sides and a few feet away on another red pine, the name "D. SINCLAIR, P.L.S." (date), cut in and although somewhat charred by fire since being placed there, was still quite distinct, the date alone being indistinct.

Good substantial squared wooden posts were planted at every mile throughout the survey, excepting where such point came within a lake or river, in such case a witness post was planted at the shore with the proper chainage inscribed thereon. The mile posts were all properly marked with the mileage, numbered from the east and south from 1 M. to 6 M. for each township boundary.

Iron posts one and one quarter inches in diameter were planted in addition to the wooden posts at township corners and also at the intersections before mentioned at Smooth Water and Burk Lakes on the East Branch of the Montreal River.

PHYSICAL FEATURES.

In general the surface of the country traversed is very broken and rough, high hills, with rock surface succeed each other with marked regularity as the country is travelled from east to west. The watershed towards the East Branch does not extend more than two miles to the east.

The headwaters of the South-west Branch of Bear Creek, Stony Creek and North Branch of Lady Evelyn River are situate within the Township of Corkill where a number of small spring lakes and ponds are found.

The largest valley noticed was that through which the East Branch flows in a very winding course in the Townships of Charters and Nicol, being from 1 to 2 miles wide. The banks of the stream are of good clay loam. The soil in general throughout the country is sandy with loose rounded boulders, but the country rock is not very deep below the surface, even in the swampy tracts.

TIMBER.

The different kinds of forest trees which are found growing in any quantities are jack pine or Banksian pine, birch, spruce, poplar, balsam, cedar and red and white pine. The fires which swept over that country years ago seem to have burnt in small areas and at different times; especially is this noticeable in the southern part, where small second growth jack pine, birch and poplar will be found on one ridge while the next will be covered with the same kind of trees averaging from 6 to 16 inches in diameter. In general terms I would describe the forest which has survived the fires within the past semi-centenary as consisting of Banksian pine, spruce, poplar, balsam, birch and cedar, averaging from eight to sixteen inches in diameter. Also small bunches of red and white pine in the Townships of Charters, Donovan, Gamble, Brewster, Tretheway and McGiffin from 10 to 30 inches in diameter. That of more recent growth consists of Banksian pine, spruce, balsam, birch and poplar varying in size up to 8 inches and thickly studding the surface.

During the past season a large tract of country was burnt over adjoining Stony Lake, Bloom Lake, Miller Lake, Lost Lake, GowGanda Lake, Obuskong Lake and along the water routes joining these lakes, and while no great quantity of valuable timber was destroyed one of the finest and most attractive canoe routes in Northern Ontario has been disfigured. No fires occurred to my knowledge during the season south of this one throughout my work.

WATER AND WATER POWERS.

Very few rainfalls during the past summer caused the creeks to become very shallow and canoeing on the upper waters of the streams met with was difficult. Old portages were cleaned up where occasion required their use and several new ones were cut out. Big Bear or Macobe Lake is the largest body of water within this season's work, being over eight miles long and three wide.

There are no falls or rapids within the territory attractive for water power development.

ROCK FORMATION.

The northern part of this territory has been investigated closely by the Department of Mines, in the southern portion quartzite extends throughout with here and there small dykes of diabase.

GAME.

A large number of moose were seen during the work in the Lady Evelyn River country. Also signs of bear and several instances of fresh beaver work. Wolves were also heard on several occasions within short range of camp.

Not many fish were caught in the lakes or streams, pickerel, pike, bass and trout being the varieties seen.

Accompanying this report I submit plan, field notes, affidavits and accounts.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) L. V. RORKE,

Ontario Land Surveyor.

The Honourable, The Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 28.

TOWNSHIP OUTLINES, DISTRICT OF SUDBURY.

PETERBOROUGH, December 27th, 1909.

SIR,—I have the honour to submit the following report on the survey of Township outlines in the Temagami Forest Reserve, District of Sudbury, performed by me under instructions from your Department, dated July 26th, 1909.

I commenced the survey at the sixty-sixth mile post on the boundary line between the Districts of Nipissing and Sudbury. From this point I ran the north boundary of the Township of McMurchy due west astronomically six miles. From the end of the sixth mile I ran the west boundaries of the Townships of McMurchy, Fawcett, Ogilvie and Browning due south astronomically, a distance altogether of twenty-four miles and nineteen links, where I intersected the north boundary of the Township of Unwin run by O.L.S. Hutcheon during the past season. I produced the north boundary of the Township of Unwin due west astronomically six miles from the north-west angle thereof.

From the ends of the sixth, twelfth and eighteenth miles coming south, I ran the north boundaries of the Townships of Fawcett, Ogilvie and Browning due east, astronomically, to the District boundary line, which I intersected, sixty-five links north, fifty-one links south and nineteen links north of the sixtieth, fifty-fourth and forty-eighth mile posts respectively. Going west from the District line along the north boundary of the Township of McMurchy the first mile and a quarter, which is of a swampy character, was burnt over during May of the present year. From this point to the end of the sixth mile the country is rough, rocky and hilly, timbered with Banksian pine, spruce, white birch, balsam and some cedar, with alder and willow underbrush and heavy windfalls. The average size of the timber along this line is about ten inches. The Montreal River, a small, swift stream at this point, is crossed on the second mile. Going south along the west boundaries of the Townships of McMurchy and Fawcett, no material change in the character of the country is noticeable, with the exception that some scattered red and white pine of fair quality and up to thirty inches in diameter are met with.

Going west from the District line along the north boundary of the Township of Fawcett to the Montreal River, a distance of four and one-half miles, the

country which is of the same rocky, broken character, was burnt over about forty-five years ago and is now grown up with small Banksian pine, spruce, white birch, poplar, alder and willow. The Montreal River at this point is about two chains wide, with a rather sluggish current. From the river to the north-west angle of the township the character of the country is very similar to that of the west boundary.

Going west from the District line along the north boundary of the Township of Ogilvie, the country is of a rolling character, but with the exception of a little more spruce, the timber remains the same.

Going south along the west boundary of Ogilvie and approaching the height of land between the waters of Lake Huron and the Montreal River, the country is generally swampy, with spruce of fair size and in some places open spruce swamps. The height of land is crossed about half a mile north of the south-west angle of the township. The north and west boundaries of the Township of Browning are more or less swampy with knolls of Banksian pine, white birch and poplar.

Going west from the north-west angle of the Township of Unwin to a point twelve miles west of the District line, the country is rough, rocky and broken, and with the exception of a few scattered white pine and some large hard maple, the timber remains the same.

There is a considerable quantity of white and red pine of fair quality and up to thirty inches in diameter, extending across the Township of Fawcett and especially along the Montreal River.

As in the case in the Clay Belt, nearly one hundred miles to the north, all the tamarac in this locality is dead.

Numerous lakes and streams were met with, all containing the best of water. The largest body of water seen is Sandy Lake, in the Township of Ogilvie, from which this branch of the Montreal River takes its rise. It is a beautiful sheet of water nearly two miles in length by one mile in width, with a wide sandy beach. Less than a quarter of a mile south of Sandy Lake and on the other side of the height of land, Rosie Creek (a feeder of the Wahnapiatae River) takes its rise; from this point to the south boundary of the Township of Browning is a chain of small lakes, which constitute the canoe route from the Wahnapiatae River into this locality.

The canoe route, as a whole, through these four townships is very difficult and slow, especially on the Montreal River through the Township of McMurchy, where a succession of rapids have to be overcome. The geological formation of this locality is the Huronian; numerous small veins of calcite (yellowish white) are met with, and I understand native silver has been discovered on Rosie Creek in the Township of Browning. Numerous parties of prospectors were seen, all apparently heading for Shining Tree Lake.

Throughout the whole survey, and particularly when in the vicinity of Shining Tree Lake, I kept a sharp lookout for the lines of any mining claims that we might cross. I have to report, however, that none were seen.

There is no agricultural land in this locality.

The magnetic variation of the needle is about 7 degrees 30 minutes west.

I found the moose, partridge, beaver and otter very plentiful in this section of the Reserve.

In conclusion I beg to state that a great amount of labor and hardship was experienced by myself and party in connection with this survey, with over one
7a L.M.

hundred miles of canoe journey and numerous portages, some of which are over two miles and one-half in length, to reach my starting point rough, broken, brushy country to cut through, and with almost continuous rain during the months of August and September.

Accompanying this report are plans, field notes and accounts, all of which I trust will be found complete and satisfactory.

I have the honor to be,

Sir,

Your obedient servant,

(Signed) J. W. FITZGERALD,

Ontario Land Surveyor.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 29.

SURVEY OF THE TOWNSHIP OUTLINES, DISTRICT OF SUDBURY.

ORILLIA, October 8th, 1910.

SIR,—By instructions issued from the Department of Lands, Forests and Mines under date of the 28th day of April, 1910, we were directed to make surveys of certain township outlines in the District of Sudbury. Having made such preliminary arrangements as are necessary to carry out work of that character, we left Biscotasing with our party on **May 24th following, for the site of the future survey operations.** The supplies and heavy part of the outfit were conveyed over the land portages by the teams of the Bisco and Gowganda Transportation Company, and on the water stretches from the height of land in canoes. Our party followed the old canoe route up Bisco Lake, down Bisco Creek, and thence over the height of land to the Mattagami waters, and down the Mattagami River to Lake Kenogamisse. At the latter point, hearing of a portage route leading to the east across the Kapiskong River and into Lake Papakomeka, thus presumably crossing our westerly meridian at about half way in its length, the main bulk of the supplies were sent across that way, while the remainder of the party proceeded down the river to the Porcupine Portage, and thence crossing this portage to the westerly boundary of the Township of Tisdale and south on that line to Niven's base line at the south-west angle of Tisdale, were in a position to commence actual survey work on the second day of June.

As it was impossible, owing to cloudy weather conditions, to obtain an astronomical observation to commence the work, our westerly meridian beginning at the aforesaid point was turned south from Niven's base line and corrected by observation as soon as this could be obtained. Thereafter observations were taken whenever possible, but the cloudy and wet weather prevailing during our trip in, and for some days after commencing work on the line, gave place to hot, dry weather and forest fires, and the smoke from the latter proved quite as effectual a blanket in hiding the heavenly bodies as the clouds had previously been.

Wooden posts were planted at the end of each mile on the base and meridian lines, and were marked with the mileage dating on meridian lines from the next base line to the south and on the base lines from the next meridian to the east. In addition to these wooden posts, at each township corner, with the exception of the north-west corner of Deloro, where the iron post marking XII. M., on O.L.S. Niven's base line was used, an iron post was planted and marked with the names of the respective townships for which it stood, on sides facing diagonally into these townships. An iron post was also planted on the west boundary of the Township of Bartlett and marked V. M.

MAGNETIC VARIATION.

Throughout the area covered by the survey the magnetic meridian, excepting at a few points where strong local attraction was apparent, showed but little fluctuation, the mean declination of the needle being about $7\frac{1}{2}$ degrees west of astronomical north.

SOIL.

The northerly part of the territory covered by the survey along the west boundary of Deloro and Adams and also the country traversed by the line between those townships is of comparatively level or slightly rolling character. It contains some level tracts of clay capable of agricultural development, while the higher levels are occupied by sandy soil with occasional outcrops of rock. Proceeding south from the section above referred to, a more rugged character prevails, the soil being sandy and stony, quite unfit for profitable agriculture, and presenting a generally hilly surface. In travelling south on our westerly meridian this change from a level or slightly rolling character to that of a rugged and hilly aspect, is abruptly marked at a point just south of the portage into Lake Papakomeka, crossing this line a little more than a quarter of a mile south from the boundary between Adams and McArthur. The country cannot be called rough in comparison to what prevails further to the south in some sections of the rock country, but is broken by low hills and ridges of from twenty-five to one hundred feet in height, the latter elevation, however, being rare.

TIMBER.

In a description of the timber values within the area of the survey, it would suggest comparison with certain patent medicine advertisements showing the "before" and "after" effects upon the patient, only that in the present case the pictures would be reversed. Much of the timber standing on the north-western part of the area in the Townships of Deloro and Adams when the lines were run was subsequently rendered worthless by the widespread forest fires.

The forest growth comprises the usual soft wood varieties of the district, and the chief values would lie in spruce and balsam pulpwood and in jack pine tie timber. A fine tract of jack pine running from six to fifteen inches in diameter and occupying a sandy plain, is crossed by our westerly meridian between V. M. and III. $\frac{1}{2}$ M. on the west boundary of Deloro. Along the west boundary of Bartlett there is also a good deal of jack pine suitable for railway ties, growing generally with thick balsam and spruce. Large jack pine, with spruce, balsam, poplar and

birch, also occurs east of the lakes on the south boundary of Geikie. There are numerous cedar swamps within the area, but the trees are usually short and limby, often hollow, and seldom in sufficient quantity in any one locality. The tamarac, while a common tree over the whole area, is all dead and much of it too far advanced in decay to be commercially valuable. White pine is scarcely a factor in the forest growth of this section, being mostly confined to scattered trees of little commercial importance. The largest area of white pine observed was between the west boundary of McArthur and the stream flowing north into Lake Papakomeka. There is one belt here extending about a mile north and south from opposite about $2\frac{1}{2}$ M. to $3\frac{1}{2}$ M., of trees from 14 to 24 inches in diameter, and many scattered trees. Much of this area, however, was burned clean during June of the current year and the timber, including this pine, fire killed.

How much damage the fire has caused during the present season throughout the area covered by the survey, it would be difficult to estimate, but it has swept a large area, and where it struck the old windfallen brulés it left little but bare sand. About the middle of June, bush fires began to be in evidence, and clouds of smoke could be seen now in one direction and now in another, and on the 24th of that month, on resuming our westerly meridian, we entered the fire area, at V. M. on the west boundary of McArthur. This fire swept across the above township from the east, travelling from east of Lake Papakomeka across the part traversed by the meridian in a single night and spreading west and south. A great part of this township was swept by this fire. In running the meridian south across McArthur and the northerly part of Bartlett we were compelled to keep our camp on the canoe route leading south from Lake Papakomeka, owing to the near proximity of the fire, and even along this water route the bush was burning, and it required the utmost vigilance to preserve the outfit from destruction. On two nights on the water route our camp was surrounded by fire and trees were crashing down within a few chains. Caches of supplies had to be made carefully, in one case in a canoe anchored out in the lake, canoes had to be guarded, and at all times fire was a main factor in all our movements. The smoke obscured the sun during the day and the sickening crash of falling trees was an ever-present sound. This condition of things ended in one grand rush of the fire to overtake us when running our south base line west across the large lake, presumably Akikenda, between IV. M. and V. M. on the south boundary of Bartlett. In this we barely escaped across the lake with our supplies before the flames reached the west shore. This fire travelled on a west wind through an old windfallen brulé with frightful rapidity, and was still burning in the green timber along the lake when we moved east on our line the following day. From here east, however, we saw no more fire. On sending men back along our westerly meridian to bring up canoes left at Porcupine Portage on the Mattagami River, they reported burnt country from about III. M. on the west boundary of Adams to Niven's base line. This was all green when the line was run early in June.

We had abundant opportunity for observation and reflection on the subject of forest fires, and it appears strongly to us that mineral development and timber conservation in the same area are policies incompatible, and that a very few seasons of the tinder box variety, such as the present, will be sufficient to wipe out timber values in this Reserve, unless much more drastic measures are adopted for its protection.

GEOLOGY.

No attempt will be made to describe the geology of the region, which is well supplied with experts in that field. In the northerly portion, however, such rock outcrops as were met with were mostly of a greenish fine-grained variety, varying from a schistose to almost massive structure often in an interval of a few yards, and apparently belong to the Keewatin series. Porphyritic granites, traps, diabase and gneiss were also met with in various locations and are shown in field notes. No veins or mineral deposits of any apparent economic value were met with. The southerly portion traversed by the lines bounding the Townships of Bartlett and Geikie appears to be a much disturbed area and looks like good prospecting ground.

WATERWAYS.

The only canoe route traversing this area with which we are acquainted is a continuation of that over which we took our supplies from Lake Kenogamissée. This route leaves the above lake at a creek entering from the East at about three-quarters of a mile above Wawaitan Portage and proceeds by a two-mile portage to Grassy or Kapiskong River, up the latter river about two miles, passing in the interval a portage round a falls on the river, and leaving the river about half a mile above the head of said falls, thence over a portage of about fifty chains easterly to a lake, and from the easterly end of the latter lake down a short but steep portage into a creek flowing north and passing about 25 chains west of our westerly meridian, with which it is connected by a good level portage leading to Lake Papakomeka. This latter creek is a branch of Mountjoy Creek. South from Lake Papakomeka the creek is navigable for canoes as far as the first lake south of the line between McArthur and Bartlett, but has numerous rapids and we found it necessary to do a large amount of cutting to get up. The creek flowing north out of Lake Papakomeka is also a branch of what has been called on previous plans Mountjoy Creek, and enters the Mattagami River near Porcupine Portage. This latter creek has not been cut out for canoe travel and would require a large amount of work to make it navigable, but has plenty of water. The largest lakes met with were those crossed by our easterly meridian at I. M., between McArthur and Douglas, and the lake crossed by our base line between IV. M. and V. M. on the south boundary of Bartlett and which we understand to be Lake Akikenda. The limits of neither of these lakes could be ascertained. As usual in this part of the country the district is well watered. The drainage of the part between our eastern meridian and the District line appears to be through the branches of the Red Stone and Nighthawk Rivers into Nighthawk Lake.

Moose were fairly abundant, but not so much in evidence as in some localities further south. In fur-bearing animals the beaver was especially noticeable, being more plentiful than in any section we have visited for some years. We ran across new dams and fresh cutting quite frequently and the district does not appear to have been recently trapped over.

We have the honour to be,

Sir,

Your obedient servants,

(Signed) CAVANA AND WATSON.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 30.

SURVEY OF OUTLINES OF TOWNSHIPS, DISTRICT OF SUDBURY.

SUDBURY, August 30th, 1910.

SIR,—We have the honour to submit the following report on the survey of the outlines of the following townships, viz., Sweeny, Frechette, Lampman, Hodgetts, Amyot, Sheard, Asquith and Churchill, performed under instructions dated May 4th, 1910.

This survey was commenced on May 26th, the party leaving Sudbury on the Canadian Northern Ontario Railway and going as far as Post Lake.

The work was commenced at the south-west angle of McNamara, the first base line being run west, astronomically, six miles, from this point a meridian line was run as far south as O.L.S. Proudfoot's base line, from the north-west angle of Sweeny the work was carried on northerly and the base lines run east, astronomically every six miles.

The north boundary of Hodgetts, which was run last season by O.L.S. Fitzgerald was connected up to the meridian line, the latter being seventy links west of the sixth mile post.

The north boundary of Churchill, which had already been run by O.L.S. Fitzgerald, was tied on to and his posts moved to the intersection of the meridian line, and his base line.

The south boundary of Lampman was rechaind a second time owing to the surplus noticed, only a small difference from the first chainage was found.

Iron posts $1\frac{1}{2}$ inches in diameter and 6 inch wooden posts were planted at all Township corners and marked as instructed, 6-inch wooden posts properly marked were planted at every mile, both on the meridian line and the baselines.

The timber consists mostly of birch, poplar, spruce and balsam, a small patch of white pine was encountered along the north boundary of Sweeny. There are a few spruce swamps, but the timber is small. The west boundary of Hodgetts consists mostly of Banksian pine about 8 inches to 10 inches on the average.

No recently burnt country was encountered, except near the Right of Way of the Canadian Northern Ontario Railway at Gowganda Junction and immediately west of West Shining Tree Lake, an area of little over a square mile having been burnt last season.

Along the west boundary of Asquith and Churchill there is a fair amount of hardwood bush interspersed with cedar swamps, the cedar being of large diameter but stunted in height and, as a rule, hollow.

The easterly boundary of Sweeny is mostly small, dry tamarac and second growth birch and poplar.

The most northerly townships are very rough and hilly, and the southerly townships consist more of rolling country. In the vicinity of Esker Lake and the Opickinimaka River the country is swampy.

The country as a whole is well watered and canoe routes are numerous.

The rock is mostly granite and diorite, some diabase being encountered at Esker Lake. An iron formation crosses through the northerly part of the Township of Asquith, also a variation of 10 degrees to 15 degrees was noticed with the needle in this vicinity.

Observations were taken as frequently as possible, though most of the time the weather was extremely cloudy.

The land is not suitable to agriculture, being either too rough or sand plains.

No water powers of any commercial value were met with though small falls and shallow or flat rapids on the rivers and streams are numerous especially on the Opickinimika River.

Game is very plentiful and consists principally of moose and deer. Signs of bear were plentiful, though few were seen.

The partridge appear to be increasing very rapidly and were quite numerous. Ducks are plentiful.

The lakes are all well stocked with fish, the beaver are also very numerous on the small lakes and rivers.

Accompanying this report is a mounted plan, a timber plan on tracing linen, a blue print showing canoe routes sketched in, field notes and chain bearers affidavits and an account duly sworn to.

We have the honour to be,

Sir,

Your obedient servants,

(Signed) DEMOREST, STULL AND LOW,

Ontario Land Surveyors.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 31.

TOWNSHIP OUTLINES, DISTRICT OF SUDBURY.

EGANVILLE, October 1st, 1910.

SIR,—I have the honour to submit the following report upon the survey of certain township outlines in the District of Sudbury, made by me, under instructions from your Department, dated May 2nd, 1910.

I proceeded from Bisco Station, C. P. Railway, via Bisco and Gowganda Transportation Company route, as far as Sucker Lake, where I left the Old Matagamia Route and proceeded in a course almost due north via Mesomekinda, or as it is better known locally, Beaver Lake, and Kenogaming Lake to the portage, from the north end of Opeshingquaquaga Lake, leading into Trout Lake, in the Township of Whitesides.

This, on the whole, is a fairly good canoe route, and while there are between twenty and twenty-five portages, none of them north of Sucker Lake are over one-half mile long. There is one stretch of shallow creek, about six miles long to ascend, commencing four or five miles north of Beaver Lake. The map furnished me shows a portage from Lake Kenogaming into Lake Aquesna, and omits to show Kenogaming River flowing north out of former lake, there being two short portages between Kenogaming and Aquesna. An accurate map of the greater part of this route could be compiled from records of survey made by James Bay Railway Company.

From Trout Lake, I proceeded to Niven's 30-mile post, and in accordance with your instructions from this post I ran my first meridian due south, astronomically, six miles. I then ran the south boundary of the Township of Carscallen east to intersection with meridian run by Lang and Ross this summer, and I ran the south boundary of Whitesides west, a distance of six miles, from which point I projected my second meridian north, astronomically, to intersection with Niven's base line and south to the intersection with south boundary of Pharand Township.

The south boundaries of Keefer and Hillary townships were started east from posts established on my second meridian, the running of the former having to be postponed until after the latter, on account of the danger from fire that was running through that section.

After having run these south boundaries, I returned to my first meridian and ran it due south, astronomically, running the south boundaries of Denton and Reynolds east, astronomically, from the intersection of said meridian with south boundaries of Keefer and Hillary townships respectively.

The south boundaries of Childerhouse and Pharand townships were run east and west respectively from a point on my first meridian distant twenty-four miles south from Niven's base line.

Substantial wooden posts were planted at the end of every mile, excepting where these points were located in water, and in such cases witness posts were planted on the shore and marked as shown in field notes. Wooden posts and iron bars were planted at all township corners, excepting at the corner of Whitesides, Carscallen, Denton and Keefer, and on account of this corner being in a lake, witness posts were planted on the line between Keefer and Denton at a point distant three chains south of the corner.

All posts are marked as set forth in the field notes, two bearing trees being marked, distances and bearings to which were taken and recorded for each post wherever they could be obtained; the posts being firmly driven in ground wherever possible and stones planted around them while available.

The country as a whole is fairly level, very few hills of any height being seen, the surface is either level or gently rolling with occasional outcrops of rock, but owing to surface being thickly wooded and usually covered with moss we had not an opportunity of seeing any indications of minerals, though I have heard that since I ran the west boundary of Denton Township a considerable portion of it has been staked.

The soil is utterly unfit for agricultural purposes, being either sandy or very stony. The swamps, which form a considerable percentage of the total area, appear to be nothing but a bed of boulders, once you get through the moss and muck on the surface.

As the area embraced in this survey is adjacent to the Porcupine Gold Fields, there is no doubt that it will be thoroughly prospected, but we saw no exposures of rock that would lead us to expect that it will turn out a mining country.

The timber that is of any value is principally spruce and Banksian pine, a considerable quantity of the latter of good quality being found through Childerhouse, Reynolds and Denton townships. Red and white pine from 12 to 30 inches in diameter is found round Trout Lake and on the islands therein; also on the line between the townships of Keefer and Hillary, extending about three-quarters of a mile west of Otter Lake, but owing to our outlines being six miles apart it is impossible to give a report on the timber that is of any practical value. The pine on the west side of Otter Lake appeared to be the most valuable, but the area on which it is growing may be of comparatively limited extent.

Moose are very plentiful and the fishing is fairly good. Trout Lake is a beautiful sheet of clear water, with many islands, and, as the name implies, is supposed to furnish some trout fishing. Pickerel and pike are very plentiful in Apishingquaquaga Lake, particularly so at the falls at the south end where the stream enters. This falls is the only one we encountered within the limits of our survey, but does not appear to be of much value as a water power, the stream being so low in July that one would have no difficulty in crossing it at the falls, without getting one's feet wet. However, if storage for water was provided on Lake Kenogaming it might be made of some value.

Forest fires were very prevalent and I believe that the township of Denton is nearly all brûlé now.

Accompanying this report are field notes, plan of survey, accounts in triplicate and the customary affidavits.

I have the honour to be,
Sir,
Your obedient servant,
(Signed) HERBERT J. BEATTY,
Ontario Land Surveyor.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 32.

SURVEY OF THE TOWNSHIP OF BLOUNT, DISTRICT OF NIPISSING.

DELTA, ONT., July 27, 1909.

SIR,—Under your instructions, dated May 31st, 1909, I have surveyed the Township of Blount, in the District of Nipissing, and beg to submit the following report.

All lines were run with the transit, well opened up and blazed. Frequent observations of Polaris at elongation were taken as the survey progressed.

The iron bars furnished by your Department were planted and marked as directed and their places and markings shown on the field notes.

At the following points iron posts $1\frac{7}{8}$ inches in diameter were planted.

At the intersection of the centre lines of the road allowances at the north-east angle of the Township marked "BLOUNT" on the south-west side and "R" on four sides.

At the intersection of the centre lines of the road allowances at the north-west angle of the Township marked "BLOUNT" on the south-east side and "R" on four sides.

At the intersection of the centre lines of the road allowances at the south-west angle of the Township marked "BLOUNT" on north-east side, "GLACKMEYER" on south-east side and "R" on four sides.

At the intersection of the centre lines of the road allowances at the south-east angle of the Township marked "BLOUNT" on the north-west, "GLACKMEYER" on the south-west and "R" on four sides.

At the following points iron posts $1\frac{1}{4}$ inches in diameter were planted:

At the intersection of the centre of the road allowances along the east boundary of the township and the centre of the road allowance between concessions VI. and VII.

At the intersection of the centre of the road allowances along the north boundary of the township and the centre of the road allowance between lots 12 and 13.

At the intersection of the centre of the road allowance along the east boundary of the township and the centre of the road allowance between concessions VI. and VII.

At the intersection of the centre of the road allowance along the south boundary of the township and the centre of the road allowance between lots 12 and 13.

At the intersection of the centre of the road allowance between concessions VI. and VII. and the centre of the road allowance between lots 12 and 13.

A careful traverse was made of the Abitibi River. With the exception of Island "A," at the head of the Long Soo Rapids, the others are simply sand bars which are submerged in ordinary stages of high water.

The general level of the country is from sixty to one hundred feet over the Abitibi River.

Soil—clay and clay loam, covered with vegetable mould and moss. Rock exposures in the Long Soo Rapids are gneissoid.

Timber—spruce, poplar, white and yellow birch, balsam and willow, varying in diameter from a few inches to two feet.

The Abitibi and Chin Rivers afford good drainage facilities. The Abitibi varies in width from five to ten chains. The Chin from three to five rods.

The Long Soo, commencing at Island "A," is a succession of rapids and falls about five miles in length. There is also a very strong current from the foot of the rapids to where the river crosses the west boundary of the township. A dam placed at the foot of the rapids, or lower down the stream, of sufficient height to raise the water, say, five feet over still water level at Island "A" (at low water level) would back water over two small rapids in the township of Glackmeyer and give unbroken navigation from the dam to the G.T.P. Railway crossing and beyond to Iroquoï Falls and afford or supply electrical power for manufacturing purposes at the dam and at the railway crossing.

When the township is opened up for settlement the present colonization road running north from Cochrane should be continued to and across the Abitibi River on the side road between lots eighteen and nineteen; there is good foundation for a bridge in the rapids.

□ In my opinion the township should not be opened for settlement until there is a local market for pulpwood at the railway crossing or at the dam. The wood would pay for clearing and encourage settlement. □

Moose are plentiful and a few common deer and beaver. Partridge, plentiful. Accompanying this report you will please find full returns of survey.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) WALTER BEATTY,

Ontario Land Surveyor.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 33.

TOWNSHIP OF WABIGOON, DISTRICT OF KENORA.

TORONTO, February 4th, 1909.

SIR,—I have the honour to submit the following report of the survey of the Township of Wabigoon, in the District of Kenora, made under instructions from your Department, dated July 29th, 1909.

This township lies north of the Township of Langton and east of the Township of Smellie. The lands to the north and east are as yet unsurveyed.

In August last I took an assistant and two chainmen from Toronto, and went by train to Owen Sound, thence by boat to Port Arthur and on to Kenora by train, where I obtained good men and provisions, through the Hudson's Bay Co., and then came back by train to Vermilion Station on the C. P. Railway, from where I intended to make a start for the work by wagon, but owing to my becoming ill from poison, it was necessary for me to abandon the work for a time and come home again until I got strong enough to again go on with the work.

In the latter part of October, I again started from home by the same route as before, and arrived at the work on November the 3rd, and commenced the survey next day, using solar instruments. We had good weather, with quite a lot of sun shining for the first ten days, then it became cold and stormy with very little sun shining. The lakes and river became frozen over, so that our traversing and crossings of same were generally made on the ice.

All the posts were made of the most suitable wood to be found, of good size, sound and well marked with a scribe, and all the iron posts were well marked with a cold chisel, and placed alongside of the wooden posts where directed.

At the following points iron posts $1\frac{7}{8}$ inches in diameter were planted:

Fifty links north from the intersection of the east boundary of the township with the northerly shore line of a bay of Wabigoon River.

At the north-east angle of Lot 1, Concession VI., marked on the south "CON. VI.," on the west "LOT 1" and on the south-west "WABIGOON."

On the north boundary Lot 12, Concession VI., sixty three links east of the intersection with the shore of the lake at the north-west corner of the township marked on the south "CON. VI." on the south "Lot 12" and on the south "WABIGOON."

On the post $1\frac{7}{8}$ inches in diameter planted by O.L.S. J. J. Frances on the south boundary of Lot 12, Concession 1, near the intersection with Corner Lake, J marked on the north "CON. 1.," "LOT 12" and "WABIGOON."

At the following points iron posts $1\frac{1}{4}$ inches in diameter were planted:

At the south-east corner of Lot 1, Concession 1, marked on the west "CON. 1.," "LOT 1" and "WABIGOON."

At the north-east angle of Lot 1, Concession III., marked on the north "CON. IV.," on south "CON. III." and on west "LOT 1."

At the north-east angle of Lot 7, Concession VI., marked on the south "CON. VI.," on east "LOT 6" and on west "LOT 7."

At the north-west angle of Lot 12, Concession III., marked on the south "CON. III.," on north "CON. IV." and on east "LOT 12."

On the east boundary Lot 7, Concession I., twenty-five links north from the intersection with the shore line of Roderick Lake, marked on east "LOT 6," on west "LOT 7," on north "CON. I." and on south "31.00ch."

On the point of land on east side of Shallow Lake where the line between Lots 6 and 7 produced crosses said point, marked "VII." on west and "VI." on east.

The township generally is rough and rocky, especially along the boundaries, and the low parts are swampy.

TIMBER.

The timber throughout the whole township is pretty much mixed, being spruce up to ten inches in the swamps, small areas of jack pine up to ten inches on the more level portions, and small jack pine, poplar and birch on the ridges. There are a few good trees of white pine growing in the south west corner of LOT 5, Con. 5, where the engineers for the G. T. P. are camped.

MINERALS.

No minerals of any economic value were found, and the needle was found to be quite steady, showing no indication of magnetic ore.

FARM LANDS.

There are some good lands for agricultural purposes on Lots 4, 5, 6, 7, 8 and 9 in the southerly part of Con. 6, and Lots 3, 4, 5, 6, 7, 8, 9, Con. 5, and Lots 6, 7 and 8, Con. 4. The soil is clay and generally level. What soil there is in the rest of the township is sandy, especially in Cons. 1, 2 and 3.

SETTLERS.

There are several settlers in the township whose names, amount of improvements as well as the lots they wish to take up, and where they are living, are all given in forms for this purpose.

GAME.

Some moose, red deer and wolves were seen, also many rabbits, partridges and ducks.

Corner Lake is being used by men engaged in the fishing business. The fish are taken to Vermilion Station on the C. P. Railway in wagons and shipped from there.

WATER POWERS.

There are two good water powers on the Wabigoon River, one at the crossing of the G. T. P. Railway, in the north-west corner of Lot 6, Con. 5, known as the Lower Falls.

This fall is about 18 feet high and would develop about 8,000 h.p. This is a valuable power and could be increased with a dam, which could easily be built at the head of the falls, which would back the water up into Shallow Lake, and thus give a large area for storage purposes. And I would recommend that the north-west corner of Lot 6, Con. 5, the north-east corner of Lot 7, Con. 5, the south-

west corner of Lot 6, Con. 6, and the south-east corner of Lot 7, Con. 6, be reserved for this power. There is also an additional fall of about ten feet between this fall and the north boundary of the township.

The other water power is up the river and about the middle of Lot 2, Con. 3, and known as the Upper Falls. This fall is about ten feet high and would develop about 4,000 h.p. I would also recommend that the land, both sides of the river, here, be reserved for this power.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) G. S. ABREY,

Ontario Land Surveyor.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 34.

ALGONQUIN PARK P. O., November 14, 1910.

The Honourable The Minister of Lands, Forests and Mines, Toronto, Ont.

HONOURABLE SIR,—I beg to hand you report on the Algonquin National Park for 1910.

It gives your Superintendent and staff a great deal of satisfaction to know that you have during the past year visited a number of our lakes and streams, and seen for yourself the condition of at least a part of the great preserve under our care.

The work during the trapping season consisted principally of patrolling the Park. This, I feel, has been attended with good results. Several parties have been convicted and heavily fined or imprisoned, and I trust the penalties imposed will be a wholesome lesson to those who have made a practice of breaking the law by trapping and hunting in the Park. I regret to state that some of our trouble has come from lumber camps throughout the Park, and I feel that in some way the lumber firms and their foremen should be held responsible for the actions of the men in their employ. Some firms, I am glad to say, do all in their power to help us, while others do not do so.

We have had several small fires in the Park. The worst of these were caused by the Grand Trunk Railway at a point east of headquarters on the Madawaska River. While no great loss in timber was sustained, from a scenic standpoint the fire was very regrettable. Excellent work has been done by our staff in handling fires, especially the one on the mountain overlooking Cache Lake. Here every tree was fought for, and the fire was confined to a small area. In the matter of fires, I think that the railway company should exercise more caution in burning rubbish and piles of old ties along the road.

Game of all kinds is very plentiful, and is filling up the surrounding country very rapidly, especially beaver and mink; the latter being very noticeably on the increase this year. Otter, martin and fisher are also very plentiful, while deer are

in great abundance everywhere, not only in the Park, but also on all sides out of the Park limits, nearly all hunting parties getting their number in a few days. One old hunter this morning, who belongs to a party whose rule is not to kill a doe, remarked that he must have seen fifty deer in one week, while the Barnet party at Lake Louise shot eight in one day. This certainly goes to prove that the Park is a great feeder for the surrounding country.

Notwithstanding the fact that we took out over three hundred beaver over a very small area this year, I find, upon careful personal examination, that there are still a large number on the same waters. Few stop to consider how enormous must be the annual increase of wild life now over this vast area, or the valuable asset this is to the Province. I have before me a carefully prepared estimate of the number and value of the different fur-bearing animals actually sold in Canada and the United States in the five years between 1899 and 1905, all kinds of which we have here in abundance. As it may not have come under your notice, I thought it might interest you, as it shows the value of an asset that most people overlook:

Beaver	375,500	skins valued at	\$2,290,550.
Bear	123,500	" " "	1,018,875.
Fisher	35,400	" " "	217,710.
Foxes	537,415	" " "	3,641,720.
Canadian lynx	266,000	" " "	1,662,500.
Martin	727,000	" " "	6,361,250.
Mink	2,525,000	" " "	7,196,250.
Muskrat	32,800,000	" " "	4,756,000.
Otter	213,000	" " "	2,609,250.
Raccoon	3,485,000	" " "	3,066,800.
Skunk	7,000,000	" " "	6,735,500.
Weasel and ermine	144,000	" " "	139,550.
Wolf	498,000	" " "	672,300.
Wolverine	8,350	" " "	47,175.

making a total of nearly forty and a half million dollars, and values have advanced very much since these dates. The above estimate is by Andersch Brothers, of Minneapolis, Minn., while the report of the United States Commission of Fish and Fisheries shows that since the year 1902 the yield of mink is of much more value than that of seal.

Fishing has been excellent during the past year. I would, however, recommend stocking Cache and White's Lakes during the coming season, as these lakes furnish sport for visitors who cannot go further afield.

Partridge and ducks are much more numerous than in former years. This year a quantity of wild rice and celery has been sown with a view to increase the food supply of ducks. Capercailzie are also increasing, and some young birds are reported seen by our rangers and others.

Visitors to the Park have been much in excess of former years.

We have erected new shelter houses at the following points: Island, McIntosh, Misty, Cedar and Eagle Lakes. These are all substantial, well-finished buildings. A good deal of trail cutting has been done and a lot of general improvements made. The houses at headquarters have been painted and enlarged. Some of my men also accompanied your bush rangers while making an estimate of the timber on the berths held by the Munn Lumber Company. This firm commenced

operations here during the past summer, and had the Department not made an effort to save the timber, not only would the beauty of the Park have been destroyed, but a slash would have been left that would make it impossible to save the balance of the woods from fire, which would mean a loss that would be hard indeed to estimate.

Our staff has been increased to twenty men, and I look for a good year's work during the coming year.

I am, Sir,

Yours very truly,

G. W. BARTLETT,

Superintendent.

Appendix No. 35.

RONDEAU PARK,

MORPETH P.O., Nov. 14, 1910.

*To the Honourable the Minister of Lands, Forests and Mines,
Toronto.*

SIR,—I have the honour to submit this my report as Caretaker and Ranger of the Rondeau Provincial Park for the year ending October 31st, 1910.

In looking over my last year's report, I find that some of the improvements that were suggested for the Park this season have been carried into effect, and some have been laid over for another season. We went over the road near the lake shore leading to the upper fisheries, and filled up a number of holes, thus greatly improving its condition, especially for those who frequent the road with autos and other vehicles.

The work that is being carried on at present is the levelling of the grounds around the pavilion and covering it with marsh grass. After ploughing, scraping and levelling the knolls and sand drifts, we sowed suitable grass seed (as an experiment), thinking that when it was all covered with grass a foot thick the seed would germinate and grow in the spring. This covering will help to retain the moisture that is necessary for the growth of the young grass. We are cutting and putting up a few small stacks extra of the grass, so that if any part of the present covering should wear thin by the traffic over it, we can put on more as it is required. The cost of this work will not exceed \$200.00.

We covered a small patch of this sand with grass this summer, and it not only made the soft sand quite firm for walking and driving on, but the seed of the natural grass that we used to cover it with germinated and came up quite thick in places. Our experience with this small patch is what led me to recommend covering all the bare sand in this way. To cover the same ground with clay and gravel, which was at first spoken of, would cost upwards of \$1,200.00. This amount of clay and gravel drawn over the Park road (which is in excellent condition now) would, in all probability, cut it up so that it would have to be re-gravelled; but as it is now, all the road will require for 1911 will be to go over it with the heavy road scraper in the spring.

The repairs that we put on the Park dock last year are in very good condition as yet. The muskrats made a little trouble on the low dock or sand approach. The life preservers served an excellent purpose this season; they were the means of preventing two or three drowning accidents.

We fully expected to have had the pavilion overhauled and put into good condition this season, and I would renew my recommendation that this be speedily done. Owing to the bad condition of the floor, posts, railing, etc. (being decayed or badly worn), it has not been used nearly so much this season as it was in former years. I would urge the Department to have this building thoroughly overhauled early next spring, and have it put in good condition by the first of June.

Another very necessary work that would benefit the Park and would add to the comfort and health of its visitors, is a ditch or drain to be dug from the big slough or swale across the ridges, emptying into the Eau, a short distance south of the summer cottages. This swale is flooded nearly every spring, causing a breeding ground for mosquitoes, and also injuring the drinking water in the wells close by. A 12-inch tile carefully put in would carry off all the flow of water if a small dam, say, two feet high was raised to force the water through in case of an extra heavy flow. This would not cost much in proportion to the benefit that would accrue. The Department has given every encouragement and all the assistance possible towards getting a sufficient supply of good wholesome drinking water for the Park. Under their direction a deep well was sunk to the soapstone rock, and water was found, which, after examination by Dr. Amyot, Director of the laboratory of the Provincial Board of Health, Toronto, was pronounced of good quality; but it seems that the steel shoe on the casing was not located properly on or near the rock, so as to prevent the gravel and sand getting in at the bottom and stopping the free flow of water into the pipe. We have a deep well expert working at it now, and he is satisfied that the well will give us plenty of water when he gets through with it. If the well proves satisfactory I would urge that the Department go on and put in the proposed water system on the Park for next season.

We finished claying the base ball ground this spring, and put it into good condition at a cost of \$150.00.

It has been strongly urged, especially by people who visit the Park in autos and those who take an interest in the Park forest, that a good drive road be built and maintained through the north-westerly part of the forest, beginning where the good road into the Park now ends, and continuing through the bush to the bar, and along the bar about half a mile or less, which would meet the south or Lake Shore road, thus forming a belt line around the Park. This would make one of the most beautiful and popular driveways in this western peninsula.

Mr. Arthur Orendorf has, as usual, given very satisfactory service in the refectory this season, catering to the wants of those who visit the Park; also the boat livery service was very satisfactorily managed by Mr. F. Weir. He built a small temporary addition to his boat-house for bathers (men and boys) to go into and change their garments, and he also kept a supply of bathing suits for hire. The number of visitors seems to be increasing each year. This is becoming a favourite spot for automobile parties from the surrounding country and towns.

The herd of deer running at large in the wooded portion of the Park has largely increased, and must now number at least one hundred individuals. They may frequently be seen coming down in the evenings to feed on the open grounds in front of the Ranger's house, returning to the forest in the morning.

I have the honour to be,

Sir,

Your obedient servant,

ISAAC GARDINER,

Ranger.

*Appendix No. 36.*SURVEY OF TOWNSHIP OUTLINES IN THE PORCUPINE MINING DIVISION,
TEMAGAMI FOREST RESERVE.

SAULT STE. MARIE, ONT., August 9th, 1910.

SIR,—I have the honour to submit the following report upon the survey of certain township outlines in the Porcupine Mining Division, in the Temagami Forest Reserve, made by me under instructions from your department, dated April 28th, 1910. The survey was commenced early in May and carried on as rapidly as circumstances would permit, and completed early in July.

Our first meridian line was run due south astronomically 24 miles from the 18th mile post on O. L. S. Niven's first base line.

Our second meridian line was run south 6 minutes west astronomically 11 miles and 79 chains; thence south 6 minutes east astronomically 12 miles, 2 chains and 90 links.

Our first base line was run from a point on our first meridian line 6 miles south of O. L. S. Niven's first base line, due west astronomically 6 miles, 1 chain and 80 links, to our second meridian line, and due east astronomically from the said point 5 miles, 79 chains and 20 links to O. L. S. Watson's meridian line.

Our second base line was run from a point on our first meridian line 12 miles south of O. L. S. Niven's first base line, due west astronomically 6 miles, 3 chains and 62 links, and due east astronomically 6 miles, 1 chain and 58 links.

Our third base line was run from a point on our first meridian line 18 miles south of O. L. S. Niven's first base line, due west astronomically 6 miles and 70 links, and due east from the said point 6 miles, 2 chains and 37 links.

Our fourth base line was run from a point on our first meridian line 24 miles south of O. L. S. Niven's first base line, due west astronomically 5 miles, 78 chains and 10 links, and due east astronomically from the said point 6 miles, 3 chains and 16 links.

At the south-east corner of the Township of Ogden, we intersected O. L. S. Watson's westerly meridian line 95 links north of his iron corner post. At the south-east corner of the Township of Price we intersected O. L. S. Watson's westerly meridian line 6 miles, 1 chain and 50 links east of our first meridian line measured along the base line. O. L. S. Watson's line had not been chained.

At the south-east corners of the Townships of Fripp and Musgrove we cut our line beyond our corner posts unblazed as O. L. S. Watson's meridian line, which forms the westerly limits of these townships, had not yet been run. -

We encountered none of O. L. S. Beatty's lines.

PHYSICAL FEATURES.

In general, the surface of the country west of the Mattagami River is level and swampy, and to the east it is very rough and rocky.

East of our first meridian line all the exposures of rock are schist, and west of this line what few exposures we met with are granite; none of the mining claims in the territory traversed have been surveyed. In fact, only on the east side of the Grassy River did we intersect any lines.

TIMBER.

The timber consists chiefly of jack pine, spruce, balsam and birch, with a preponderance of jack pine and spruce. The whole area is heavily timbered with the exception of about 6 square miles in the extreme south of the Township of Musgrove, which was burnt clean in 1896. The jack pine and spruce are large; on the average 10 inches in diameter. There is only an occasional white or red pine tree, and in no place is there a stand of any commercial value.

WATERS.

The Mattagami River runs north through the middle of the Townships of Doyle, McKeown, Thornloe and Bristol. It takes the form of a lake (Kenogamisee Lake) to within 2 miles of the north boundary of the Township of Thornloe. At this point the Wawaitan Rapids occur. Here there is a drop of 28 feet in about a mile. Below this point the river winds through high sand banks in a northerly direction and crosses O. L. S. Niven's first base line $11\frac{1}{2}$ miles east of the 18th mile post. The average rate of the stream in this lower section is about three miles an hour.

The Grassy River runs north almost parallel to the first meridian at a distance of $1\frac{1}{2}$ miles east of it, and joins the Mattagami River a quarter of a mile below the south-west corner of the Township of Ogden. At the point where the boundary line between the Townships of Fripp and Price crosses the river two miles east of our first meridian line, there is a rapid and a fall amounting to a drop of 80 feet; above this point the river runs smoothly, but below it to the junction with the Mattagami River the rate of the stream is about 4 miles an hour.

The Papagamika River is a crooked but navigable stream running north through the eastern part of the Townships of Price and Ogden; it enters the Mattagami River about 3 miles below O. L. S. Niven's first base line.

The Split Rock River (Katashkashabika River) is a navigable tributary of the Papagamika River running parallel to it to the west and joins it somewhere in the Township of Ogden.

The Red Sucker River (Misqumabinagenda River) rises in a lake of the same name 10 miles or so west of Kenogamisee Falls on the Mattagami River. It runs across the north-west corner of the Township of Thornloe and into the Township of Bristol, joining the Mattagami River at the south-east corner of the latter township. During its course through these two townships it is one continuous rapid. About 5 miles from the mouth of the river there is a fall of 12 feet.

There are no lakes in the area embraced worthy of mention.

FISH AND GAME.

In all the rivers and lakes, large and small, whitefish, pickerel, pike and perch are very plentiful. Below Wawaitan Rapids on the Mattagami River and below the high falls on the Grassy River speckled trout averaging 3 pounds are in abundance. Lake trout are caught, to our knowledge, only in Kanamekosike Lake, which is 3 miles due west of the Wawaitan Rapids on the Mattagami River.

There are large numbers of moose over the entire area and caribou are fairly plentiful in the eastern section of the Townships of Ogden and Price. Partridge are very plentiful this season.

Accompanying this report we submit plans and field notes and also accounts in triplicate.

We have the honour to be,

Sir,

Your obedient servants,

(Signed) LANG and Ross,

Ontario Land Surveyors.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 37.

List of Persons holding Cullers' Licenses, issued under the Ontario Cullers' Act, up to 31st October, 1910.

Name.	P. O. Address.	Name.	P. O. Address.
Anderson, M. M.....	Almonte.	Brandon, Martin W.	Peterborough.
Allan, James D.	Bracebridge.	Bell, John C.....	Peterborough.
Appleton, Erwin B.....	Bracebridge.	Bartlett, George W.....	Warren.
Albert, Andrew	Ottawa.	Brown, Silas.....	Klock's Mills.
Adams, J. Q.....	Longford Mills.	Boland, W. G.....	Eganville.
Anderson, Patrick J.....	Campbellford.	Baulke, George R.....	Aylmer, Que.
Anderson, J. C.....	Gravenhurst.	Bouchey, Arthur.....	Massey.
Allan, Alfred.....	Ottawa.	Buchanan, Mark.....	Trout Mills.
Allen, R. A.....	Bannockburn.	Barrett, W. J.....	Thessalon.
Aikins, Geo. M.	French River.	Bromley, Thomas.....	Pembroke.
Appleby, Ridley.....	Katrine.	Bremner, John L.....	Admaston.
Adams, James M.....	Sault Ste. Marie.	Breen, Bernard.....	Garden River.
Aylward, James.....	Peterborough.	Buie, Dougal.....	Providence Bay.
Archibald, John L.....	Keewatin.	Baker, Thomas.....	Blind River.
Austin, Wm. G.....	Renfrew.	Blais, Felix.....	Hull, Que.
Anderson, Charles.....	Little Current.	Balsdon, George.....	Keewatin.
Anderson, John.....	Cartier.	Bromley, W. H.....	Pembroke.
Adair, Thomas Albert....	Gananoque.	Bowers, Isaac.....	Little Current.
Anderson, J. G.....	Alpena, Mich.	Brown, Thomas.....	Barrie.
Alexander, Samuel.....	Arden.	Bass, Walter R.....	W. Huntingdon.
Adams, Wm.....	Westmeath.	Bates, Robert.....	Kenora.
Arkle, George.....	Kenora.	Binnie, Thomas.....	Port Arthur.
Armstrong, Jas. Theodore.	McKellar.	Blair, William.....	Keewatin.
Armstrong, Thomas J....	Arnprior.	Bick, Thomas.....	Bobcaygeon.
Acheson, Ira M.....	Westmeath.	Burke, John Thomas.....	Midland.
Albert, Alfred E.	Ottawa.	Buchan, Sterling.....	L'Original.
Alma, John E.....	Hawkesbury.	Brown, Joseph A.....	Spanish.
Adams, George A.....	Longford.	Baird, P. C.....	Rainy River.
Ansley, John Albert.....	Thessalon.	Brill, J. W.....	Mine Centre.
Ansley, John Jenkins....	Thessalon.	Beattie, Arthur W.....	Arnprior.
Ainslie, Alexander	Spanish.	Brock, H. S.....	Ottawa.
Apleton, E. A.	Kenora.	Behson, John Bird.....	Midland.
Arnill, William.....	Iron Bridge.	Brennan, Rich'd Lawrence	Peterborough.
Adams, Fred.....	L'Original.	Brown, Hugh Riside	Huntsville.
Alexander, R. Harvey....	Spragge.	Bryan, Frank.....	Keewatin.
Alexander, J. Albert....	Spragge.	Bennett, Edward Clinton.	Ahmie Harbour.
Ainslie, Donald McF.....	Whitestone.	Blaine, Harvie Thomas...	Orillia.
Ansley, William.....	Thessalon.	Barrett, Thomas	Barrie.
Brophy, Michael Patrick.	Massey Station.	Bickell, James Manuel....	Sault Ste. Marie.
Boland, Abraham.....	Cartier.	Buisson, William.....	Sudbury.
Brown, Singleton.....	Bracebridge.	Borrett, James A.....	Sault Ste. Marie.
Barry, Thomas James	Hastings.	Bliss, C. Lidden	Sudbury.
Blanchet, Paul Fred'k. ...	Ottawa.	Bray, James.....	Kinmount.
Bird, W. S.....	Parry Sound.	Bremner, George.....	Arnprior.
Bayley, James T.....	Gravenhurst.	Bromley Samuel.....	Pembroke.
Bell, Henry.....	Ottawa.	Brown, A. C.....	Fitzroy Harbour.
Beach, Herbert Mahlon....	Ottawa.	Berlinquet, Julius	Opimicon, Que.
Barry, Thomas.....	Millbridge.	Blastorah, Fred L.	Harwood.
Beaty, W. R.....	Parry Sound.	Burns, Clifton H.....	Little Current.
Brooks, Frederick Wm....	Mackay's Station.	Beaumont, Ernest.....	Parry Sound.
Brown, Robt. D.....	Port Sidney.	Beattie, Alex.....	Whitney.
Breed, Arthur G.....	Penetanguishene.	Brennan, Reginald	Gravenhurst..
Barnes, Thomas Geo. Lee.	Muskoka Mills.	Boyd, George.....	Gravenhurst..
Buchanan, Robert.....	Coldwater.	Bissell, Geo. Thomas.....	Trenton.
Beck, Jacob Frederick....	Penetanguishene	Baxter, Richard.....	Deseronto.
Bird, Joseph Manly.....	Muskoka Mills.	Breaugh, Edward.....	Deseronto.
Boyd, John F.....	Thessalon.	Boyd, Geo. A.....	Thessalon.
		Buchan, Frederick.....	Arnprior.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Barrett, Patrick	Arnprior.	Cain, Robert.....	Midland.
Brundage, Alfred W.....	Pembroke.	Crawford, Stephen W....	Thessalon.
Brougham, Thomas.....	Eganville.	Cochrane, George.....	Peterboro.
Blair, Robert I.....	Arnprior.	Coburn, John.....	Lindsay.
Benson, John W.....	Sturgeon Bay.	Crowe, Nathaniel.....	Bobcaygeon.
Beck, Chas. M., Jr.....	Penetanguishene.	Cameron, Alexander.....	Norman.
Beatty, W. J.....	Coldwater.	Chrysler, Frank R. L....	Webbwood.
Burns, C. W., Jr.....	South River.	Callaghan, Thomas, Jr....	Campbellford.
Bell, John Henry.....	Burk's Falls.	Carson, Hugh.....	Kenora.
Berry, Harold.....	Labelle, Q.	Calder, George.....	Woodville.
Black, George.....	Barwick.	Callaghan, Dennis.....	Campbellford.
Bettes, John Hiram.....	Muskoka Mills.	Corrigan, Robt. T.....	Emo.
Brady, John.....	Renfrew.	Cameron, John H.....	Kenora.
Brown, James.....	Buckingham, Q.	Carson, Melvin.....	Little Current.
Brooks, W. J.....	Blind River.	Cameron, John K.....	Spanish River.
Bertrand, Allan.....	Nairn Centre.	Cassidy, William.....	Little Current.
Brinkman, Alex. B.....	Sault Ste. Marie.	Coons, Geo. Washington..	Peterboro.
Black, Jacob.....	Barwick.	Chisholm, Geo. Leopold..	Sault Ste. Marie.
Beattie, W. J.....	Arnprior.	Clark, Wm. J.....	Birkendale.
Bromley, William.....	Westmeath.	Carr, Herbert E.....	North Bay.
Bissell, Hartie.....	Trenton.	Cochrane, Alfred L.....	Muldoon, Que.
Brown, Robert.....	Starrat.	Campbell, George.....	Fort Frances.
Beaton, Hugh.....	Waubauskene.	Chalmers, George James..	Peterboro.
Bailey, Arthur.....	Parry Sound.	Caverly, David Charles..	Parry Sound.
Burd, James Henry.....	Parry Sound.	Campbell, Archibald J....	Little Current.
Bailey, Samuel James....	Orillia.	Close, John L.....	Arnprior.
Burton, Tinswood.....	Renfrew.	Carmichael, Donald.....	Arnprior.
Boyes, James.....	Huntsville.	Carty, John.....	Arnprior.
Brown, John.....	Rockdale.	Cleary, Patrick M.....	Arnprior.
Brennan, Edward Scott...	Sundridge.	Caldwell, James M.....	Callender.
Bell, John Arguey.....	Klock's Mills.	Cushing, John J.....	Davidson, Que.
Bromley Edw. H.....	Pembroke.	Crebo, William.....	Thessalon.
Bliss, Lawrence E.....	Byng Inlet.	Cullen, Michael J.....	Massey Station.
Buee, Neil.....	Spanish Station.	Cuthbertson, William....	Arnprior.
Brazziel, Leonard.....	Spanish Station.	Carss, Percy.....	Thessalon.
Bowie, James.....	Bryson, Que.	Coghlan, Michael.....	Chapeau, Que.
Barrie, Nicholas J.....	Ottawa.	Cameron, Alexr. Gordon..	Beauchene, Que.
Burke, J. D.....	Kenora.	Cassaday, W. W.....	Emo.
Bowen, Thomas.....	Deseronto.	Carter, Robert E.....	Fesserton.
Brown, James F.....	Baysville.	Coleman, Jos.....	Baysville.
Blastorah, Bernard.....	Harwood.	Cardiff Geo. McDougall..	Sudbury.
Brannan, William H.....	Pembroke.	Cameron, W. D.....	Kenora.
Bromley, Thomas.....	Webbwood.	Crandall, F.....	Port Arthur.
Barr, J. C.....	Fort Frances.	Campbell, James R.....	Eganville.
Bradley, J. M.....	Mine Centre.	Campbell, John A.....	Galleta.
Burns, Dominick.....	Webbwood.	Caillier, Hyacinth.....	Arnprior.
Blakie, Campbell D.....	Fort Frances.	Chamberlain, Thomas....	Bobcaygeon.
Bury, Henry J.....	Stratton.	Cooper, David Allan.....	Millbrook.
Campbell, Robert John....	Flinton.	Cox, Henry.....	Ballerica, Que.
Carpenter, John A.....	Arnprior.	Currie, James.....	Ottawa.
Campbell Alex J.....	Trenton.	Clarkson, A. E.....	Midland.
Carson, James.....	Bracebridge.	Clairmont, E.....	Gravenhurst.
Campbell, J. M.....	Bracebridge.	Cameron, W. F.....	Sturgeon Bay.
Campbell, Robert.....	Bracebridge.	Connolly, David.....	Gravenhurst.
Clairmont, Joseph.....	Campbellford.	Campbell, P. C.....	Sault Ste. Marie.
Clarkson, Robert J.....	Parry Sound.	Cadenhead, Alexander....	Midland.
Carruthers, Aaron.....	Hintonburg.	Carpenter, R. J.....	Arnprior.
Calder, Wm. J.....	Bark Lake.	Christie, William Pringle.	Severn Bridge.
Chew, Joseph.....	Gravenhurst.	Campbell, C. V.....	Sault Ste. Marie.
Cole, James Collin.....	Ottawa.	Clegg, Samuel.....	Peterboro.
Cameron, Wm.....	Collin's Inlet.	Clairmont, William L....	Gravenhurst.
		Cook, Sydney P. W.....	Spanish Station.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Corrigan, John.....	Baysville.	Donally, Richard S.....	Sudbury.
Chalmers, Alexander M...	Peterboro'.	Devine William.....	Cook's Mills.
Charlton, George A.....	Collingwood.	Durrill, William.....	Nosbonsing.
Cahill, Thomas.....	Nosbonsing.	Draper, Patrick.....	Quyon, Que.
Chew, Manley.....	Midland.	Davis, J. P.....	Bobcaygeon.
Cooper, James Eddly.....	Saurin.	Dale, John Alexander....	Birkendale.
Cook, Reinhardt.....	South River.	Dinsmore, Chas. L.....	Huntsville.
Crowe, Cecil.....	Bobcaygeon.	Drum, Patrick.....	Belleville.
Callaghan, Dennis.....	Trenton.	Durham, Edgar S.....	Rosseau.
Collins, James.....	Barryville.	Duquette, Chas.	Webbwood.
Claffey, Edward D.....	Fort William.	Davis, William Albert....	Bobcaygeon.
Coyne, Phin.....	Chelmsford.	Dickson, Robt. Alexander.	Keene.
Constantine, Eudore.....	Blind River.	Dawkins, John.....	Gravenhurst.
Cameron, Ewan.....	Gordon Lake.	Doxsee, James E.....	Gravenhurst.
Campbell, Daniel N.....	Buckingham'm, Que.	Didier, L. P.....	Aylmer, Que.
Canniff, R. W.....	Kenora.	Devine, Patrick J.....	Sheenboro, Que.
Cassidy, S. C.....	Dunchurch.	Dinsmore, Richard.....	Huntsville.
Charleston, John Baptiste.	Ottawa.	Dunn, Percy E.....	Longford Mills.
Comer, Billa F.....	Tweed.	Duval, Chas.	Halfway.
Carter, George.....	Sundridge.	Donlevy, James.....	Calabogie.
Corrigan, Robt. J.	Emo.	Doris, Patrick.....	Peterborough.
Caswell, Grant.....	Coldwater.	Doris, John.....	Peterborough.
Caswell, Geo.....	Coldwater.	Donahue, Michael.....	Erinsville.
Chemir, David A.....	Pembroke.	Doran, W.....	Belleville.
Clairmont, Philadelp L..	Gravenhurst.	Dickson, Robert R.....	Kippewa, Que.
Crowe, Edgerton.....	Bobcaygeon.	Donlevy, Wm. C.....	Rockcliffe.
Castonquay, A. C.....	Chelmsford.	Duff, Chas. A.....	Stewartville.
Clark, Donald Allan.....	Port Arthur.	Dean, James C.....	Kenora.
Charette, Herbert.....	Devlin.	Duff, Peter A.....	Claybank.
Christie, Uriah W.....	Fort Frances.	Duncan, Downey.....	Rainy River.
Clark, Joseph C.....	Fort Frances.	Dougherty, J. M.....	Fort Frances.
Crowe, Leslie.....	Bobcaygeon.	Dunn, John F.....	Spanish Mills.
Campbell, Duncan W.....	Stewartville.	Dyke, Morris F.....	Blind River.
Callahan, Thomas N.....	Arnprior.	Devitt, Frank.....	Dinorwic.
Clements, Albert James...	Bent River.	Dickie, David.....	Port Arthur.
Carney, Albert.....	Sault Ste. Marie.	Dupuis, Alfred.....	Keewatin.
Collins, Arthur.....	Massey Station.	Devlin, Samuel.....	Spanish Mills.
Carter, George.....	Lavelle, Que.	Dougherty, W. H.	McLaren's Bay.
Chitty, Alfred E.....	Kenora.		
Cardiff, Richard J.....	Arnprior.	Enlaw, Oliver.....	Campbellford.
Conway Thomas.....	Barry's Bay.	Ebert, Andrew P.	Pembroke.
Costello, Thomas M.....	Antrim.	Ellis, Alexander.....	Arnprior.
Cross, R. J.	Silver Islet.	Ellis, John.....	Westmeath.
Clark, R. H.	Port Arthur.	Errington, Joseph.....	Sundridge.
Clark, Wm. R.	Port Arthur.	Eddington, Henry John...	Parry Sound.
		Enright, Daniel.....	Port Arthur.
Didier, Hector.....	Mattawa.	Eager, James.....	Parry Sound.
Doran, Frank.....	Barryvale.	Elliott, Porter P.....	Mine Centre.
Dunning, E. Percival.....	Parry Sound.	Elliott, William.....	Cache Bay.
Duff, R. J.....	Arnprior.	Edgar, J. E.....	Rat Portage.
Durrill, John W.....	Ottawa.	Elliott, George E.....	Peterborough.
Dickson, John.....	Sundridge.	Edwards, Joseph K.....	Gillies' Depot.
Dickson, James L.....	Michipic'ten H'r.	Eldridge, Robert.....	Fort Frances.
Doble, Harry.....	Sault Ste. Marie.		
Deacon, Charles.....	Sault Ste. Marie.	Fraser, John A.....	Kenora.
Danter, R. W.....	Parry Sound.	Ferguson, Wm. H.....	Red Bay.
Doyle, T. J.....	Eau Claire.	Forbes, Chris. McKay....	McLean's Depot.
Dobie, Alexander R.....	Blind River.	Fitzgerald, E. Clair.....	Parry Sound.
Darling, J. M.....	Wisawasa.	Farrell, W. H.....	Ironside, Que.
Dillon, John.....	Calabogie.	French, Lewis William...	Byng Inlet.
Durrell, Jos. Nelson.....	P't'ge du F'rt, Q.	Fraser, William A.....	Mattawa.
Durrell, John.....	Callender.	Finerty, Patrick.....	Rochfort.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Farnand, Frank.....	Diamond.	Green, Samuel E.....	Parry Sound.
Fulton, Philip S.....	Spanish Station.	Grant, John.....	Flinton.
Fitzgerald, Ulyot C.....	Parry Sound.	Green, Arthur.....	Ottawa.
Fenn, George.....	Bracebridge.	Green, Norman McL.....	Bancroft.
Fortune, Owen.....	Trenton.	Gillis, John J.....	Whitefish.
Fraser, David.....	Norman.	George, R. W.....	Parry Sound.
France, John.....	Collin's Inlet.	Gardiner, John.....	Parry Sound.
Ferguson, Ernest A.....	Baysville.	Golden, Frank J.....	Trenton.
Ferguson, Alpen.....	Mattawa.	Garson, Robert.....	Thessalon.
Ford, John William B.....	P'r'tge du F'r't, Q.	Gropp, August.....	Penetanguishene.
Ford, Charles.....	Wahnapiatae.	Grozelle, Antoine D.....	Muskoka Mills.
Findlay, J. H.....	Braeside.	Goulais, James.....	Peterborough.
Fraser, James.....	Renfrew.	Grayson, Charles.....	Keewatin.
Fairen, Francis.....	Peterborough.	Gladstone, Harry E.....	Cook's Mills.
Faulkner Jos.....	Fesserton.	Guertin, Oliver.....	Biscotasing.
Fraser, Alexander, Jr.....	Westmeath.	Gelinas, Frank.....	Hull, Que.
Fairbairn, William.....	Calabogie.	Gwynne, John.....	Hawkesbury.
Fraser, Wm. A.....	Pembroke.	Gray, Frederick M.....	Brule Lake.
Fraser, Foster.....	Pembroke.	Graham, Edward G.....	Wahnapiatae.
Fraser, Wm.....	Little Current.	Griffin, James.....	Spanish River.
Fraser, Hugh Alexander..	Pembroke.	Gordon, Alexander B.....	Pembroke.
Flaherty, John.....	Lindsay.	Gareau, Noah J.....	Pembroke.
Fisher, Wm.....	Trenton.	Gillies, D. A.....	Carleton Place.
Fox, Thomas.....	Deseronto.	Gilligan, Edward.....	Mattawa.
Fallis, James W.....	Sturgeon Bay.	Gladman, Charles.....	Parry Sound.
Fairbairn, N. H.....	Webbwood.	Garrow, John D.....	Ottawa.
Friel, John.....	Trenton.	German, William Burton..	Wahnapiatae.
Fox, Charles.....	Trenton.	Gordon, Robert W.....	Pembroke.
Featherstonehaugh, W. H..	Penetanguishene.	Guertin, Nelson.....	Petawawa.
Friar, Schuyler.....	Westmeath.	Gardner, John.....	Kenora.
Farren, Joel.....	Savanne.	Gunter, Peter M.....	Gilmour.
Fraser, Duncan.....	Big Forks.	Glennie, William.....	Millbridge.
Freestone, Walter.....	Burk's Falls.	German, Maurice J.....	Fenelon Falls.
Fraser, John.....	Bancroft.	Gillies, John A.....	Braeside.
Fitzgerald, D.C.....	Spanish Station.	Goddin, Edward.....	Griffith.
Foster, Wm. C.....	Searchmont.	Grant, Joseph.....	Eganville.
Frazier, Jas. C.....	Spanish Mills.	Gilmour, James B.....	Braeside.
Fremlin, H. P.....	Richards' Land'g.	Gorman Joseph P.....	Sault Ste. Marie.
Foster, Ed. G.....	Sault Ste. Marie.	Gordon, Thomas A.....	Hall's Bridge.
Farrel, Peter M.....	Whitefish.	Gray, Albert H.....	Biscotasing.
Fairhall, Edward.....	Whiteside.	Gadway, John.....	Parry Sound.
Fraser, Levi.....	Bracebridge.	Garrow, Edward.....	Webbwood.
Fiddes, James.....	Rainy River.	Golding, William.....	Dorset.
Frawley, Frank.....	Orillia.	Gillies, Harry.....	White Lake.
Fisher, George.....	Sault Ste. Marie.	Gordon, Herbert C.....	Nelson.
Filliatraut, J. A.....	Blind River.	Gillespie, M. H.....	Cook's Mills.
Farrier, John William....	Chapleau.	Griffin, William.....	Huntsville.
Finney, Benjamin B.....	Fort Frances.	Ganton, David.....	Trout Creek.
Follis, Frank C.....	Hawkesbury.	Graham, George L.....	Arnprior.
Fortune, Percy H.....	Blind River.	Graham, Frederick S.....	Arnprior.
Fraser, Wm. Foster.....	Sault Ste. Marie.	Gill, Cuthbert.....	Orillia.
Fraser, Allan H.....	Thessalon.	Graham, James Robert....	Kenora.
Farquharson, James.....	Tomiko.	Graham, Thomas Jordan..	Byng Inlet.
Fink, John.....	Mattawa.	Gaudaur, Antoine Daniel..	Orillia.
		Gorman, Patrick.....	Eganville.
Griffith, Geo. F.....	Pembroke.	Guy, Charles.....	Fort Frances.
Graham, John.....	Arnprior.	Graham, George H.....	Gillies Depot.
Golden, John.....	Gilmour.	Greer, George P.....	Port Arthur.
Gunter, Henry M.....	Trenton.	Gill, Charles.....	Fort Frances.
Goltz, Ernest.....	Bardsville.	Gamey, William H.....	Englehart.
Green, Forman A.....	Gilmour.	Gorman, Michael J.....	Diver.
		Grier, Roy B.....	Kenora.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Greer, Samuel H.....	Gore Bay.	Howard, William.....	Baysville.
Gilbert, Sidney N.....	Rainy River.	Hogan, Enos W.....	Savanne.
Hale, Thomas.....	Pembroke.	Horne, John T.....	Fort William.
Hogan, Albert J.....	Sault Ste. Marie.	Hamilton, Chas. E.....	Kenora.
Hagen, Edmund G.....	Little Rapids.	Henderson, Leonard.....	Baysville.
Hagen, Wilson.....	Thessalon.	Hunter, Thos.....	Callender.
Hurd, Cyrus.....	Parry Sound.	Hamilton, Robert J.....	Ottawa.
Henderson, Albert E.....	Burford.	Hawkins, William A.....	Pembroke.
Hale, John B.....	Sault Ste. Marie	Herring, Edward C.....	Sebright.
Hickerson, Melvin T.....	Fort Frances.	Hatch, J. W.....	Dryden.
Howey, George H.....	Fort Frances.	Hoard, Wm. Paris.....	Emo.
Hartt, James.....	Gilmour.	Hartman, W. R.....	Blind River.
Hayes, James.....	Enterprise.	Hill, Ernest L.....	Hawkesbury.
Humphrey, T. W.....	Gravenhurst.	Hall, Samuel S.....	Marmora.
Huckson, A. H.....	French River.	Hasleton, Constantine ..	Killaloe.
Handley, Robert.....	Douglas.	Hamilton, A. J.....	Sprague.
Howe, Alexander.....	Queensborough.	Heggart, E. C.....	Trout Mills.
Hurd, Edwin.....	Hurdville.	Hunt, Ronald E.....	Massey.
Huff, J. S. Morris.....	Arnprior.	Hurd, Asahel.....	Parry Sound.
Halliday, Robert J.....	Lindsay.	Howe, Peter.....	Fort Frances.
Hutton, John.....	Hutton House.	Hammond, Samuel H.....	Fort Frances.
Hutchinson, Wm. E.....	Huntsville.	Hunt, Alex. D.....	Pearl River.
Hogarth, Joseph Rowan..	Pembroke.	Irving, Thos. H.....	Parry Sound.
Humphrey, John.....	Gravenhurst.	Irwin, Eli.....	Kenora.
Hill, Joshua.....	Midland.	Irving, Edward C.....	Kenora.
Hall, David.....	Lovering.	Johnston, Ralph E.....	Port Arthur.
Hartley, Charles.....	Peterborough.	Johns, Frank A.....	Toronto.
Hawkins, Henry Chas....	Blind River.	Jackson, Robert.....	Brechin.
Hines, Philip Wallace....	Huntsville.	Johnson, Finlay.....	Bracebridge.
Hudson, John Lewis.....	Combermere.	Jones, Albert.....	Victoria Harbor.
Hurdman, William H.....	Ottawa.	Johnson, Thomas.....	Bobcaygeon.
Hughes, John.....	North Bay.	Johnston, Archibald M....	Norman.
Howie, R. G.....	New Liskeard.	Julien, Charles.....	Trenton.
Helferty, Dennis.....	Eganville.	Junkin, Henry.....	Marmora.
Hamilton, Robert.....	Kenora.	Johns, Frank.....	Nipissing Junct'n.
Hoppins, Abiram.....	Kingston.	Jessup, Edward D.....	Cache Bay.
Hoppins, Densmore.....	Kingston.	Johnson, Frank N.....	Ottawa.
Haystead, John.....	Parry Sound.	Johnston, John.....	Peninsular Lake.
Henderson, John Irwin...	Bobcaygeon.	Johnson, S. M.....	Arnprior.
Hartley, William.....	Millbridge.	Jones, Frederick James..	Flinton.
Higgins, John C.....	Peterborough.	Johnston, William A.....	Castleford.
Harrison, John, Jr.....	Pembroke.	Jervis, Henry.....	Wisawasa.
Hawkins, E.....	La Breton Flats.	Jones, William.....	Fenelon Falls.
Henderson, Charles.....	Bracebridge.	James, Martin.....	The Flats.
Halliday, Frank.....	Parry Sound.	Johnston, James.....	Fort Frances.
Hammond, W.....	Orillia.	Johns, Alexander.....	Callender.
Hall, Charles Asa.....	Penetanguishene.	Jackson, John A.....	Barwick.
Hearl, John.....	Callender.	Johnson, Thomas.....	Fort Frances.
Howe, Isaac.....	Fort Frances.	Johnston, George N.....	North Bay.
Halliday, James.....	Springtown.	Kintree Stuart.....	Little Rapids.
Hurdman, J. A.....	Ottawa.	Kerby, John.....	Belleville.
Hawkins, Stonewall J. ...	Meldrum Bay.	Kennedy, Robert.....	Marmora.
Hinchcliffe, William	Gunter.	Kirby, Louis Russell.....	Ottawa.
Henderson, Arthur.....	Baysville.	Kennedy, Timothy.....	Enterprise.
Hillis, James M.....	Sutton West.	Kirk, Henry.....	Trenton.
Harris Wm., Jr.....	Day Mills.	Knox, Milton.....	Ottawa.
Hogg, W. J.....	North Bay.	Kinsella, Michael Pierce...	Trenton.
Hoxie, E. P.....	Katrine.	Kitchen, D.....	French River.
Hawkins, Walter.....	Pembroke.	Kelly, Jeremiah.....	Sudbury.
Howard, James.....	Eganville.		

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Kelly, Ferdinand	Mattawa.	Lowe, Thomas A.	Renfrew.
Kennedy, T. J.	Arnprior.	Livingston, Robert M.	Huntsville.
Kenning, Henry.	Pembroke.	Londry, William E.	Sault Ste. Marie.
Kirby, D. F.	Belleville.	Labelle, James.	Waltham, Que.
Kirkpatrick, David	Lindsay.	Labelle, Eli.	Waltham, Que.
Kean, John F.	Orillia.	Ladurante, J. D.	Ottawa.
Kellett, Fred.	Keewatin.	Ludgate, Theodore.	Peterborough.
Kelly, Michael J.	Baysville.	Lucas, Frank.	Sault Ste. Marie.
Kirk, William James.	Webbwood.	Lunam, Duncan.	Collfield, Que.
Kerr, E. G.	Thessalon.	Lott, George	Trenton.
King, Napoleon.	Mattawa.	Lawrie, John D.	Parry Sound.
Kean, B. F.	Orillia.	Lovering, George Francis.	Coldwater.
Kemp, Orval Wesley.	Trenton.	Lucas, R. G.	Christina.
Kirk, Charles Barron.	Queensborough.	LeBlanc, Edmund C.	Chapleau.
Kingsland, W. P.	Ottawa.	Lavigne, John.	Aylmer, Que.
Kerr, John B.	Arnprior.	Landell, Charles S.	Huntsville.
Kennedy, Walter.	Arnprior.	Long, Henry Elisha.	Mattawa.
Kennedy, John.	Pembroke.	Lynch, W. H.	Collingwood.
Knox, Wm. M.	Fesserton.	Laplante, Francis.	Byng Inlet.
Kingston, Robert.	Wisawasa.	Lindsay, James.	Arnprior.
Kearnan, Edward.	Blind River.	Labelle, Michael.	Arnprior.
Kearney, Michael John.	Buckingham, Qu.	Legree, John.	Dacre.
Kendrick, John.	Burk's Falls.	Legree, James L.	Calabogie.
Kendrick, John L.	Burk's Falls.	Leigh, John Chas.	Gravenhurst.
Kennedy, John W.	Ottawa.	Lloyd, Edward B.	King.
Kelly, James F.	Trout Creek.	Lemyre, Bruno.	Gravenhurst.
Kauffman, Julius.	Blind River.	Lavelle, Charles H.	Canoe Lake.
Kennedy, Sylvester.	Brule Lake.	Lyons, James.	Waltham Sta., Q.
Kernahan, George A.	Barwick.	Ledwood, Charles.	Ottawa.
Kehoe, Martin.	Huntsville.	Levelle, Emrey.	Waltham Sta., Q.
Kennedy, Daniel J.	Spanish.	Little, Theo.	Kenora.
Leannoth, Francis.	Arnprior.	Lehman, Joseph.	Stratton Station.
Lee, James.	Warren.	Lafare, Mark.	Cache Bay.
Lloyd, Alfred.	Severn Bridge.	Leach, George.	Vermilion Bay.
Lawrie, Frank A.	Parry Sound.	Lott, Angus M.	Spanish Mills.
Latimer, Jas.	Frank's Bay.	La Belle, Ambrose.	Kenora.
Lemyre, Middey.	Campbellford.	La Breen, Douglas.	Kenora.
Lutz, Jacob.	Parry Sound.	Lavelle, Michael J.	Blind River.
Luby, John E.	Ottawa.	Lyleton, J. E.	Parry Sound.
Law, Wm. J.	Markstay.	Lalor, William J.	Aspdin.
Lumms, Daniel.	Glanmire.	Lalonde, Joseph Maxine ..	Link.
Lowe, W. C.	Port Arthur.	Laderoute, Michael	Arnprior.
Londry, S. C.	Sault Ste. Marie.	Leroy, Levi H.	Port Arthur.
Lochnan, James.	Ottawa.	Malloy, Mark	Baysville.
Link, Henry W.	Ottawa.	Martin, Hugh	Sault Ste. Marie.
Ladarotte, John.	Arnprior.	Miller, R. O.	Gravenhurst.
Lochnan, John.	Aylmer, Que.	Morrison, James.	Toronto.
Lozo, John.	Trenton.	Murray, Frederick	Huntsville.
Loughrin, Lawrence.	Pembroke.	Menzies, Archibald.	Burk's Falls.
Linton, J. H.	Parry Sound.	Manning, James.	Trenton.
Ludgate, James.	Peterborough.	Martin, Philip.	Stoco.
Lee, Robert.	Huntsville.	Malone, Wm. Patrick	Ottawa.
Langford, Mark.	Baysville.	Marsh, Esli Terrill	Trenton.
Leatherby, Edwin.	Midland.	Miller, John W.	Huntsville.
Leahy, Francis M.	Chapleau, Que.	Muchinbacker, Asa.	Rosseau Falls.
Langford, Henry.	Baysville.	Morris, Geo. F.	French Bay.
Lessard, Philip.	Kenora.	Murray, George, Jr.	Waubashene.
Lovering, William James.	Coldwater.	Maughan, Joseph.	Fort William.
Lane, Maurice.	Bobcaygeon.	Margach, Wm. J.	Port Arthur.
Lenton, George.	Peterborough.	Murray, George, Sr.	Waubashene.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Manice, Wm.....	Peterborough.	Mangan, John.....	Arnprior.
Murray, Wm.....	Kenora.	Mooney, Thomas.....	Kingston.
Morgan, Richard J.....	Kenora.	Mason, Robt. T.....	Rochesterville.
Magee, Thomas Arthur....	Kenora.	Moore, Wm. John.....	Gravenhurst.
Murdoch, James.....	Cook's Mills.	Morrison, Donald.....	Reay.
Mulvahill, Wm.	Arnprior.	Moore, Wm.....	Bobcaygeon.
Murphy, Arthur.....	Ottawa.	Mutchenbacker, Herman..	Rosseau Falls.
Mayhew, Jacob.....	Northcote.	Moore, Norman.....	Arnprior.
Molyneaux, George	Parry Sound.	Morley, John R.....	Kenora.
Milway, Joseph.....	Fort William.	Mackay, J. A.....	Big Forks.
Mackie, Nathan.....	Port Arthur.	Miller, Robt.....	Montreal.
Milne, Archie.....	Arnprior.	Mackey, Levi Ralph.....	Keewatin.
Murray, James.....	Peterborough.	Morley, Frank W.....	Kenora.
Moore, James A. E.....	Lakefield.	Madden, F. M.....	Haileybury.
Merkley, William A.....	Ottawa.	Miller, Walter E.	Owen Sound.
Murphy, Hugh R.....	Ottawa East.	Murray, Robt.	Berriedale.
Murphy, W. J.....	Arnprior.	McCaw, Joseph E.....	Tweed.
Murray, William.....	Markstay.	McLaren, Peter.....	Kenora.
McFarlane, Robert L.....	Warren.	McGregor, Colin F.....	Kenora.
Martin, Edgerton.....	Markstay.	McKenzie, Robert.....	Kenora.
Mathieson, Archie.....	Fort Frances.	McFadyen, A. J.....	Crazebridge.
Moore, Henry R.....	Lakefield.	McCauley, Thos. J.....	Goulais Bay.
Mickle, Chas S.....	Gravenhurst.	McDonald, John C.....	Spanish Mills.
Mullen, James.....	Webbwood.	McKenzie, Alex E.....	Ansonia.
Morley, A. W.....	Winnipeg.	McIntyre, John.....	Arnprior.
Macdonald, James M.....	North Bay.	McDermott, Thos.....	Orillia.
Money, Harry.....	Haileybury.	McDermott, Jas. E.....	North Bay.
Mather, Allen.....	Keewatin.	McCrindle, Jas.....	Sudbury.
Menzies, Alexander.....	Sault Ste. Marie.	McGhie, Chas. S.	Whitestone.
Munro, Peter P.....	Commanda.	McGenigal, John H.....	Whitby.
Mason, Benjamin.....	Westmeath.	McCart, Patrick.....	Arnprior.
Monaghan, John B.....	Arnprior.	McGrath, Thos. B.....	Peterborough.
Monaghan, M. J.....	Arnprior.	McCormick, James J.	Trenton.
Mulvihill, John.....	Arnprior.	McCarthy, Wm.....	Fenelon Falls.
Moran, Andrew.....	Rockingham, Qu.	McAvoy, Owen.....	Campbellford.
Mulvihill, Michael.....	Arnprior.	McConnell, Lewis.....	Fesserton.
Mann, John.....	Manitowaning.	McMullen, George.....	Spragge.
Marrigan, Richard.....	Deseronto.	McNab, Angus.....	Burnstown.
Monaghan, John Dorland.	Deseronto.	McColgan, C. H.....	Quyon, Que.
Matheson, Wm.....	Chelmsford.	McCallum, Webster.....	Arnprior.
Munro, Alex. G.....	Braeside.	McCagherty, Robert E....	Westmeath.
Murphy, Oliver A.....	Marksville.	McNab, Archie.....	Calabogie.
Mellor, Charles.....	Port Arthur.	McDonald, Malcolm.....	Spragge.
Millions, Harry.....	Gillies' Depot.	McIvor, J. A.....	Fort Frances.
MacDonell, R. D.....	Biscotasing.	McCulloch, M.....	Kenora.
Milne, Fred.....	Trout Mills.	McDonagh, Rod.....	Callender.
Milne, William H., Jr....	North Bay.	McManus, James.....	Arnprior.
Murphy, Dennis.....	Thessalon.	McKinley, J. H.....	Curran.
Mackie, Thomas.....	North Lake.	McPherson, Jas. S.....	Rama.
Miller, P. H.....	Blind River.	McKinley, Edward C.....	Toronto.
Munro, Philip.....	Braeside.	McClelland, John.....	Parry Sound.
Mangan, Patrick.....	Arnprior.	McFarlane, J. W.....	Cache Bay.
Marcil, Peter.....	Ottawa.	McDonald, Roderick.....	Pembroke.
Main, Samuel.....	Spanish Station.	McCormack, Wm.....	Pembroke.
Morley, Charles.....	Huntsville.	McCreary, William.....	Arnprior..
Moore, David Henry.....	Peterborough.	McCaig, James C.....	Bryson.
Murphy, John.....	Arnprior.	McColman, Peter.....	North Bay.
Mathieson Daniel.....	Chelmsford.	McLeod, James D.....	Gravenhurst.
Milne, Wm.,	Ethel.	McCrimmon, N. K.....	Blind River.
Mangan, Charles.....	Burk's Falls.	McCreary, James, Jr.....	Arnprior..
Mooney, Lincoln.....	Orillia.	McPhee, Hugh.....	Byng Inlet.
		McCudden, James.....	Arnprior..

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
McLachlin, J. A.....	Arnprior.	McNally, J. A.....	Desbarats.
Macpherson, John.....	Ottawa.	McNab, Alexander.....	Arnprior.
McEachren, John A.....	Gravenhurst W.	McFarlane, Alexander....	Renfrew.
McLeod, Dugal.....	Gravenhurst.	McFarlane, J. D.....	Stewartsville.
McClelland, R. H.....	Parry Sound.	McFarlane, Duncan.....	Renfrew.
McEvoy, Frank.....	Campbellford.	McKendry, Wm. B.....	Arnprior.
McDermott Peter.....	Orillia.	McPhee Hugh.....	Renfrew.
McIlroy, John.....	Madoc.	McPhee, John.....	Arnprior.
McNab, Robert J.....	Parry Sound.	McLachlin, Peter.....	Arnprior.
McFadden, James.....	Ottawa.	McLachlin, Alexander....	Arnprior.
McIntosh, James G.....	Carleton Place.	Mackey, Edward.....	Arnprior.
McInnis, Hector D.....	Bracebridge.	McEwan, Henry.....	Trenton.
McKinnon, Malcolm.....	Bracebridge.	McDonald, Alfred.....	Peterborough.
McLean, Daniel.....	Bracebridge.	McGeary, John J.....	Sundridge.
McKinnon, Archie J.....	Bracebridge.	McDonald, Archibald W....	Gilmour.
McKay, D. C.....	Baysville.	McGaw, John Gillen.....	Queensborough.
McDonald, James.....	Parry Sound.	McCauley, Barney.....	Trenton.
McPherson, Allan.....	Longford.	McDougall, James T.....	Klock's Mills.
McDonald, James P.....	French River.	McInenly, Thomas.....	Quebec, Que.
McFarlane, Jos. C.....	Port Severn.	McBride, Archibald.....	Arnprior.
McNabb, Alexander.....	Thessalon.	McFarlane, Robert L.....	Arnprior.
McGillivray, Archibald...	Port Arthur.	McGowan, Wm.....	Parry Sound.
McGrane, Edward.....	Lindsay.	McLachlin, Norman.....	Arnprior.
McLeod, Donald, Jr.....	Keewatin.	McDonald, Laughlin.....	Pendleton.
McDonald, Hector R.....	Thessalon.	McIvor, William J.....	Collins' Inlet.
McDougall, Duncan.....	Bracebridge.	McKee, John P.....	Sturgeon Falls.
McNabb, Alexander D....	Warren.	McGowan, Thomas.....	Parry Sound.
McCormack, John C.....	Sudbury.	McDermot, Patrick.....	South River.
McNamara, John.....	Byng Inlet.	McKay, Angus.....	South River.
McGillivray, Duncan D....	Algoma Mills.	McDonald, A. J.....	Longford.
McIntyre, Daniel A.....	Klock's Mills.	McInnis, Angus D.....	Gravenhurst.
McNamara, Lewis.....	Klock's Mills.	McKendry, Alexander.....	Waubashene.
McDonald, Sydney C.....	Mattawa.	McGuire, Timothy.....	North Bay.
McGurn, John J.....	Buckingham, Qu.	McGrath, John.....	Peterborough.
McKeown, Jno. Joseph...	Port Arthur.	McWilliams, Jno. Bannon.	Peterborough.
McNeel, David.....	Sault Ste. Marie.	McCagherty, Patrick.....	Westmeath.
McEwan, Andrew.....	Thessalon.	McKendry, Daniel.....	Arnprior.
McCool, Christopher L....	Cartier.	MacDonald, D. F.....	Parry Sound.
McCollom, Donald.....	Arnprior.	McManus, Thomas J.....	Renfrew.
McDowell, Wm.....	Cache Bay.	Macfarlane, David R....	Ottawa.
McConnachie, Roy Stewart	Huntsville.	McColgan, Edward.....	Quyon, Que.
McDonnell, J. K.....	Rat Portage.	McKay, John.....	Emo.
McDonald, Alex. J.....	Vermilion Bay.	McKinnon, William.....	Kenora.
McKay, D. A.....	Rainy River.	McKittrick, Frank R. F....	Kenora.
McMillan, James.....	Kenora.	McMichael, Charles.....	North Seguin.
McPhee, Ronald.....	Bracebridge.	McIlroy, Thomas Davis...	Madoc.
McKay, George Donner...	Dorset.	McDonald, Wm. Henry....	Trenton.
McWilliams, Maxwell		McGaw, Wm. Thomas....	Callender.
Theodore.....	Peterborough.	McMillan, L.....	Callender.
McLeod, John.....	Keewatin.	McDermott, John L.....	Orillia.
McPherson, George.....	Keewatin.	McDonald, Chas. M.....	Pembroke.
McDougall, John D.....	Kenora.	McPhee, Benjamin.....	Pembroke.
McGregor, Duncan.....	Burnstown.	McGee, John Edward....	Parry Sound.
McLean, Peter W.....	Sand Foint.	Macfarlane, Mack.....	Arnprior.
McNichol, John.....	Sudbury.	MacCallum, Alexander....	Braeside.
McInnis, D. E.....	Cache Bay.	McRae, Farquhar.....	Kenora.
McLaughlin, Samuel.....	Waubashene.	MacCallum, Albert.....	Arnprior.
McCollam, John.....	North Bay.	McGonigal, John.....	Arnprior.
McManus, John C.....	Arnprior.	McConachie, John.....	Huntsville.
McLean, John.....	Blind River.	McKay, D. G.....	Kenora.
McLeod, Norman.....	Garden River.	McDonald, James.....	Peterborough.
McLean, James.....	Blind River.	McCulloch, John L.....	Lonsdale.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
McConnell, James.....	Mine Centre.	O'Neill, Mark.....	Renfrew.
McIntyre, William John..	Fort Arthur.	Orrill, John.....	Trenton.
McDonald, Allen.....	Big Forks.	O'Neill, Patrick.....	Bancroft.
McLay, Albert.....	Devlin.	Orde, Francis W.....	Kenora.
McQuarrie, Daniel.....	Fort Frances.	O'Driscoll, Joseph.....	Sault Ste. Marie.
McNaughton, Daniel.....	Bracebridge.	O'Gorman, Peter.....	Blind River.
McCagherty, William E...	Westmeath.		
McDonald, John D.....	Mattawa.	Pigott, John.....	Fitzroy Harbour.
McCagherty, Joseph T....	Westmeath.	Paul, Charles A.....	Sault Ste. Marie.
McAdam, Arch H.....	Quyon, Que.	Patinson, Thos.....	Bracebridge.
McMurphy, Dugald, Jr....	Kenora.	Price, A. E.....	Arnprior.
McCall, Alfred.....	Kenora.	Presley, J. F.....	Ashton.
McRitchie, William.....	Kenora.	Power, James.....	Bobcaygeon.
McRitchie, Malcolm.....	Kenora.	Patzel, Adolph.....	Arnprior.
McDonald, John Harold..	Rydal Bank.	Plaunt, William B.....	Eganville.
McAuley, William Davis..	Sault Ste. Marie.	Plaunt, Joseph.....	Eganville.
McCallum, Thomas.....	Fort William.	Porter, Charles C.....	Longford.
McWhinney, Fred.....	Kenora.	Preston, R. E.....	Kenora.
McNairney, Hugh H.....	Sudbury.	Petrie, Geo. A.....	Fergus.
McKelvie, William.....	Otter Lake Sta.	Pomeroy, Peter.....	Trenton.
McGovern, Frank.....	Sault Ste. Marie.	Perry, Pringle K.....	Byng Inlet, N'th.
McCallum, Gordon.....	Fort Frances.	Purcall, W. G.....	Ottawa.
McCallum, Henry.....	Fort Frances.	Purvis, John.....	Parry Sound.
McLaughlin, Russell.....	Spanish Mills.	Porter, James.....	Uphill.
McAdam, Miner S.....	Quio, Que.	Pearson, John James....	Lindsay.
McDougall, David A....	Nesterville.	Pennney, Chas G.....	Cache Bay.
McLeod, William A.....	Manitowaning.	Pennock, James P.....	Hardwood Lake.
McKee, D. A.....	Wylie.	Purdy, John A.....	Uxbridge.
McKay, Norman.....	Fort Frances.	Playfair, R. J.....	Blind River.
		Paterson John.....	Wahnapiatae.
Nescott, George.....	Kenora.	Paterson, Alexander....	Orillia.
Newton, Frank.....	Gravenhurst.	Parke, James.....	Gravenhurst.
Newburn, Wm.....	Parry Sound.	Parquette, Oliver.....	Webbwood.
Niblett, James.....	Arnprior.	Palmateer, Sherman....	Gravenhurst.
Niblett, Robert.....	Osceola.	Paget, George.....	Huntsville.
Nevison, Herbert.....	Kenora.	Pounder, Joseph.....	Westmeath.
Nicholson, John.....	Owen Sound.	Pell, Richard D.....	Arnprior.
Newall, John H.....	Parry Harbour.	Perry, Frederick.....	Port Arthur.
Nolan, John.....	Gravenhurst.	Paget, Charles Edward...	Novar.
Newton, Charles W.....	Victoria Harbour.	Porter, Thos. Robt. Mark.	Dorset.
Nent, Charles.....	Vermilion Bay.	Pountney, E. J.....	Arnprior.
Needham, John G.....	Pakenham.	Pyburn, David J.....	Dorset.
Netterfield, David.....	John's Island	Purdy, Geo.....	Hintonburg.
Nault, James.....	Fort Frances.	Playfair, Andrew Wm....	Sault Ste Marie.
		Pipe, Taylor.....	Haileybury.
Oullette, Joseph P.....	Cutler.	Pipher, George E.....	Mowat.
O'Neil, Thomas.....	Bancroft.	Pendee, David.....	Parry Sound.
O'Neill, Daniel H. H.....	Arnprior.	Piper, A. J.....	Blind River.
O'Leary, Patrick J.....	Orillia.	Paget, Alfred H.....	Ahmie Harbour.
Oliver, Charles R.....	Fesserton.	Powers, John J.....	Trout Mills.
Overend, George J.....	Longford Mills.	Pigott, William D.....	Fitzroy Harbour.
O'Brien, Andrew.....	Ottawa.	Potts, Cyril.....	North Lake.
O'Brien, Frank G.....	Arnprior.	Pilkey, William.....	La Vallee.
Oliver, J. A.....	Fort William.		
Owen, W. J.....	Wabigoon.	Quinn, William.....	Peterborough.
O'Connor, John.....	Hintonburg.	Quigley, Hugh.....	Penetang.
Oliver, Darcy.....	Wahnapiatae.	Quirk, Thomas J.....	Petawawa.
O'Connor, Wm.....	Nosbonsing.	Quance, Louis F.....	Berriedale.
O'Neil, James W.....	North Bay.		
O'Donnell, Wm.....	Penetanguishene.	Robertson, D.....	Kenora.
Owens, Richard.....	Basin Depot.	Richardson, Fred'k George	Trenton.
O'Reilly, Patrick.....	Cartier.	Richards, Richard.....	Tamworth.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Riddell, Geo. Alexander..	Rochesterville.	Ritchie, James A.....	Spragge.
Robertson, Lewis McLean.	Dunchurch.	Ross, George Joseph.....	Schrieber.
Robinson, Wm. F.....	Bobcaygeon.	Rowe Frank E.....	Hymers.
Reamsbottom, Wm.	Mattawa.	Regmibal, J. Hector	Larchwood.
Richey, Evan.....	Brentwood.	Reid, William T.	Fort Frances.
Randall, Lewis G.....	French River..	Ross, Sidney	Fort William.
Richardson, Chas. Marvyn	Trenton.		
Rochester, Daniel Baillie.	Ottawa.	Smith, M. D.....	Fort William.
Riddell, James.....	Ottawa.	Scanlan, William.....	Enterprise.
Rice, Asa S.....	Hull, Que.	Sutherland, D. H.....	Gravenhurst.
Roberts, T. A.....	Huntsville.	Spanner, John.....	Huntsville.
Ross, Andrew	Longford Mills.	Shier, James D.....	Bracebridge.
Rose, Donald M.....	Kenora.	Snooner, W. R.....	Katrine.
Rawson, Charles Edward.	Coldwater.	Simpson, Alfred E.....	Wakefield.
Ross, George.....	Waubauskene.	Souliere, John B.....	Ottawa.
Roberts, Percy T.....	Keewatin.	Shields, James A.....	Carleton Place.
Ritchie, Wm. D.....	Little Current.	Spargo, George.....	Ottawa.
Ramsay, Robert.....	Arnprior.	Smyth, W. H.....	Baysville.
Ritchie, J. F.....	Arnprior.	Salmon, R. H.....	Byng Inlet North
Ritter, Samuel G.....	Ahmie Harbour.	Salmon, Alexander C....	Baysville.
Rothera, Charles F.....	Sturgeon Falls.	Stremer, A.....	Ottawa.
Ryan, Alfred.....	Byng Inlet.	Shields, Frank A.....	Parry Sound.
Rogers, Fred.....	Sault Ste. Marie.	Stapleton, John J.....	Ogidakie.
Reid, George William...	Fort Frances.	Sloan, William H.....	Fort Frances.
Robertson, John A.....	Kenora.	Smyth, Job E.....	Cache Bay.
Robinson, Wm.....	Bobcaygeon.	Sage, Nelson.....	Muskoka Mills.
Reid, Joseph B.....	Lindsay.	Seymour, Edward.....	Whitefish.
Ross, Walter M.....	Ottawa.	Shaw, Thomas B.....	Waubauskene.
Ruttle, H. A.....	Carleton Place.	Swanston, James.....	Peterborough.
Richards, Benedict.....	Ottawa.	Simpson, William.....	Hall's Bridge.
Regan, John.....	Orillia.	Sadler, Thomas.....	Lindsay.
Russel, Wm.....	Pembroke.	Smith, Patrick Albert....	Norman.
Ramsay, Charles.....	Sudbury.	Snaith, William J. . .	Mattawa.
Russell, Corsan L.....	Pembroke.	Sinn, William F.....	Arnprior.
Richards, Henry.....	Dacre.	Sheppard, Wm. Joseph..	Waubauskene.
Ryan, Wm.....	Killaloe.	Spears, Milton B.....	Barry's Bay.
Reid, John P.....	Spanish Mills.	Stevenson, Arthur.....	Peterborough.
Ridley, Robert.....	New Liskeard.	Stein, Paul.....	Sault Ste. Marie.
Riley, Charles W.....	Hutton House.	Shaw, Alfred.....	Thessalon.
Raymond, Morris T.....	Spanish Mills.	Sequin, Napoleon.....	Spanish Station.
Rooney, Wm. H.....	Campbellford.	Scrim, Robert	Arnprior.
Revell, J. O.....	Dryden.	Sharp, James A.....	Sudbury.
Rankin, Anthony	Cache Bay.	Shaney, Harry S.....	Cook's Mills.
Ross, Angus.....	Orrville.	Smith, Wm.....	Ottawa.
Robinson, Albert E.....	Washago.	Stewart, Daniel.....	Braeside.
Robinson, Edward.....	Washago.	Sheehan, Michael H.....	Waubauskene.
Robinson, Thomas G.....	Washago.	Smith, Sydney H.....	Bracebridge.
Raycroft, William T.....	Sarnia.	Stewart, James A.....	Pembroke.
Roberts, Ivor M.....	Garden River.	Sproule, Newton H.....	Schomberg.
Revell, Lionel Oliver....	W. Gravenhurst.	Simmons, Alex.....	Port Arthur.
Regan, Judd Patrick.....	Orillia.	Scott, Thomas.....	Parry Sound.
Robins, Etna Rosedale...	Orillia.	Smith, Lawrence.....	W. Saginaw, Mich.
Regan, John, Jr.....	Orillia.	Shea, Stewart.....	Campbellford.
Ryan, James	Savanne.	Sullivan, John.....	Sault Ste. Marie.
Rusk, Oscar W.....	Cache Bay.	Sinclair, Finlay.....	Sudbury.
Robinson, Thos. Geo.....	Bracebridge.	Shiels, Henry F.....	Cartier.
Rooksby, Wm.....	Campbellford.	Smith, Gideon Ousley...	Burk's Falls.
Ramesbottom, Robt.....	Byng Inlet.	Smith, John Wallis.....	Thedford.
Roy, Lewis.....	Arnprior.	Smith, Henry G.....	Arnprior.
Riddell, Horace A.....	Galetta.	Story, John A.....	Ottawa.
Rowan, A. L.....	Sault Ste. Marie.	Sweezy, Benjamin.....	Massey.
		Sheppard, Charles H.	Coldwater.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Sinclair, Armon D.	Arnprior.	Tucker, Louis A.	Fort Frances.
Smith, Sidney E.	Ottawa.	Thompson, Daniel	P't'ge du F'rt, Q.
Sleeman, Wm.	Rapid River.	Thompson, Richard	Kenora.
Sheehan, Peter F.	Loring (canc'd).	Thompson, Joseph H.	Bracebridge.
Sleeman, Geo.	Rapid River.	Taylor, Edward A.	Westmeath.
Sims, Wm. K.	Sault Ste. Marie.	Tait, Ralph	Arnprior.
Skahill, Wm.	Blind River.	Train, William	Burk's Falls.
Shaw, George	Thessalon.	Turner, Garvin F.	North Bay.
Sarsfield, George Francis.	Sault Ste. Marie.	Tilson, Joseph	Burk's Falls.
Standish, Wm. H.	Batchawaning	Tuffy, John	Cartier.
Simpson, Wm. A.	Lakefield. (Bay	Thorpe, Thomas	Pembroke.
Scollard, Wm.	Young's Point.	Taylor, Charles E.	Gravenhurst.
Shuttleworth, Alma	Trout Creek.	Tench, Arthur	Hekkla.
Shanacy, Wm. J.	Spragge.	Tulloch, William A.	Sault Ste. Marie.
Seely, George	Arnprior.	Taylor, Alex. M.	Burnstown.
Stewart, Alex. W.	Lanark.	Toner, J. A.	P't'ge du F'rt. Q.
Soreny, Wm.	Braeside.	Thrasher, Henry G.	Pembroke.
Schneider, Frederick	Cache Bay.	Tooke, Frank	Bala.
Smith, James D.	Rat Portage.	Thorburn, Donald James..	Thessalon.
Sullivan, James	Aylmer.	Tetreault, Philiias	Tomiko.
Scully, Cornelius	Whitney.	Tibbets, L. R.	Fort Frances.
Savoy, Eutrope	North Bay.	Tichborne, A. C.	Fort Frances.
Smith, Walter J.	Campbellford.		
Seymour, John J.	Whitefish.	Udy, Dean	French River.
Smith, Alex. R. C.	Burk's Falls.	Urquhart, Elias	Gravenhurst.
Stewart, Richard M.	Chelsea, Que.	Urquhart, Andrew	Barrie.
Souliere, John H.	Canoe Lake.		
Smith, Abraim G.	Quyon, Que.	Vigrass, Percy J.	Dufferin Bridge.
Swallow, C. H.	Day Mills.	Vincent, Joseph	Warren.
Strave, A. M.	Mine Centre.	Vollin, Samuel	Nosbonsing.
Stewart, John	Fort Frances.	Vannier, Nelson Joseph ..	Bobcaygeon.
Sullivan, George L.	Rainy River.	Vincent, James	Fesserton.
Short, James	Kenora.	Vincent, Henry T.	Port Sidney.
Shaw, Fred. Jason	Thessalon.	Vanderburg, Norman	Wisawasa.
Short, Chas. J.	Kenora.	Valois, Armand	Mattawa.
Smith, David H.	Sudbury.	Villiers, Claude	Parry Sound.
St. Hillaire, George	Arnprior.	Vanier, John	Sault Ste. Marie.
Souliere, Joseph C.	Cutler.		
Scott, J. C.	Fort Frances.	White, Thomas S.	Bracebridge.
Stewart, Frank E.	Crozier.	White, A. Thomson	Pembroke.
Sanders, Edward	Barwick.	Watt, R. A.	Spanish.
Spence, William	Arnprior.	Wilkins, Hughes	Blind River.
Scott, Allan A.	Norman.	Wallace, T. William	Blind River.
Souliere, Max	Spanish Mills.	White, Joseph W.	Bracebridge.
		Watson, William	Huntsville.
Taylor, Fred. L.	Parry Sound.	Webb, George W.	Parry Sound.
Thomas, Griff J.	Thessalon.	Wilcox, Thomas	Parry Sound.
Thomson, R. D.	Biscotasing.	Wheeler, J. A. McL.	Tamworth.
Tait, Thomas B.	Burk's Falls.	Widdifield, C. H.	Pine Orchard.
Taylor, C. M.	Gravenhurst.	Whitmore, Edgar	Rosseau Falls.
Thornton, W. D.	Longford Mills.	Wright, L. B.	Sault Ste. Marie.
Trussler, Gilbert	Trout Creek.	Ward, Joseph W.	Ottawa.
Thompson, Geo. S.	Lindsay.	Wilkinson, W.	French River.
Thompson, Fred. A. H. ..	Nosbonsing.	Waldie, John E.	Victoria Harbour.
Thompson, Francis Hy. ..	Nosbonsing.	Wigg, Thomas G.	Thessalon.
Train, A. C.	Rowan Mills.	Wall, Patrick B.	Cheboygan, Mich.
Turgeon, Geo.	Cook's Mills.	Wells, John R.	Little Current.
Thayer, Wm.	Sault Ste. Marie.	Whiteside, John	Huntsville.
Thompson, Alexander W. ..	Arnprior.	Watt, William	Peterborough.
Taylor, Thos. G.	Gravenhurst.	Wilson, George	Lindsay.
Trowse, A.	Arnprior.	White, Thomas	Parry Sound.

List of Persons holding Cullers' Licenses.—*Concluded.*

Name.	P. O. Address.	Name.	P. O. Address.
Wood, William D.	Sault Ste. Marie.	White, Allan	Pembroke.
Watts, John J.	Fort Frances.	Warner, Franklin H.	Fort Frances.
Webster, George F.	Fort Frances.	Watts, George	Fort Frances.
Wright, Percy	Fort Frances.	Wood, Thomas	Parry Sound.
Watts, William B.	Fort Frances.	White, William	Peterborough.
Watson, William	North Bay.	Woods, A. L.	Kenora.
Wagner, Fred	Kenora.	White, John B.	Kippewa, Que.
Wainwright, Edward C.	Huntsville.	Whelan, Peter M.	Renfrew.
Wilson, Wm. James	Deseronto.	Wilson, David	Kearney.
Weston, Frank R.	Midland.	Weston, Cecil	Dorset.
White, James B.	Manitowaning.	Wilkins, George E.	Dorset.
Warren, Robert M.	Cache Bay.	Woodcock, Edward	Brownhill.
Wilson, George A.	Balsam Hill.	Willson, Fred.	Callender.
Welch, Harold	Milberta.	Wilson, Alexander R.	Thessalon.
Wilson, James A., Jr. ...	Webbwood.	Webster, Henry R.	North Lake.
Woods, John R.	Antrim.	Wallace, Fred. R.	Port Arthur.
Wardell, Ernest C. S. ...	Victoria Harbour.		
Woods, Joseph F.	Roach's Point.	Younge, Harvey D.	Fort Frances.
Whaley, Thomas	Huntsville.	Young, R. H.	Fort Frances.
Webster, Wm. Alfred	Bracebridge.	Yuill, John Albert	Braeside.
Wornsdorf, Fred. Gutlep ..	Pembroke.	Young, William	Severn Bridge.
Warrell, Wm.	Trout Creek.	Young, A. J.	Cache Bay.
Wims, Peter	Blessington.	Young, Samuel	Coldwater.
Wickware, Philip Almont.	Cloyne.	Young, Patrick P.	Young's Point.
Wilson, Edward	Deseronto.	Young, Francis G.	Young's Point.
Whelan, P. J.	McDougall.	Yuill, Thomas	Arnprior.
Whyte, John Thos. Goth..	Ottawa.	Yuill, A. D.	Braeside.
Watterworth, J. A.	Sault Ste. Marie.	Young, C. T.	Harvey.
White, Wm. James	Muskoka Falls.	Yuill, John Alex.	Arnprior.
Warrell, George	Powassan.	Yuill, Archibald	Bracebridge.
Wells, George W.	Little Current.	Yuill, William	Braeside.
Wilson, Frederick Gould..	Kenora.	Young, Walter D.	Whitefish.
Wallace, John Thomas ..	Thessalon.		
Wilkins, George N.	Baysville.		
Wylie, Byron M.	Webbwood.		
		Total, 1,400.	

AUBREY WHITE,
Deputy Minister.

REPORT

OF THE

Minister of Lands, Forests and Mines

OF THE

PROVINCE OF ONTARIO

For Year Ending 31st October

1911

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO:

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1912.

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Report of the Minister of Lands, Forests and Mines of the Province of Ontario

For the Year ending 31st October, 1911.

To His Honour THE HONOURABLE J. M. GIBSON,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of your Honour and the Legislative Assembly a report of the management of the Crown Lands of the Province for the year ending 31st October, 1911.

CLERGY LANDS.

The amount collected on account of sales of Clergy Lands was \$4,522.15. (See Appendix No. 3, page 7.)

COMMON SCHOOL LANDS.

The area of these lands sold during the year was .50 acres for \$25. The collection on account of these and former sales was \$6,281.24. (See Appendix No. 3, page 7.)

GRAMMAR SCHOOL LANDS.

The amount collected on account of sales of Grammar School Lands was \$200. (See Appendix No. 3, page 7.)

UNIVERSITY LANDS.

The area of these lands sold during the year was 5,626 acres for \$2,818.25. The collection on account of these and former sales was \$1,889.12. (See Appendix No. 3, page 7.)

CROWN LANDS.

There was sold for agricultural purposes during the year 118,573 acres for \$159,889.89. There was collected on account of these and former sales \$109,681.31. There was sold for mining purposes 27,924 acres for \$58,997.77. There was collected on account of these and former sales \$64,268.43.

There was leased for mining purposes 10,292 acres, for \$11,758.64. There was collected on account of mining leases \$25,797.14. There were 5,213 acres leased for other than mining purposes and collected on account of Crown Leases \$21,577.82. The total area of lands of the Crown disposed of during the year was 167,629.57 acres and the total collection on account of lands sold and leased was \$234,217.21. (See Appendix No. 3, page 7.)

FREE GRANTS.

During the year settlers evidenced an increased desire to take up free farms, there being nearly 200 more locations carried out than in the previous year. No less than 1,568 applicants were located for 224,042 acres. The Department is insisting upon a vigorous compliance with settlement regulations, and is continuing the practice of inspecting located lands to ascertain where there is a default in the conditions. The Department is also endeavouring to prevent lands that are unsuitable for farming being located merely for the purpose of getting the timber.

Part of the Township of Morgan in the Sudbury District and the Township of Melgund in the Kenora District have been opened for location. Locations and patents in these townships carry the mines and minerals, and in the case of Melgund the settler also gets the pine timber.

MILITARY GRANTS.

The total number of Military Certificates issued to date, under I. Edward VII., cap. 6, is 13,995.

Forty-three Location Certificates were issued this year and 237 new locations were made, making the total number of locations 7,732.

Twenty-one Certificates were surrendered to the Crown for \$50.00, making a total disposed of in this manner of 3,322.

The number of Certificates that have been applied in payment for Crown Lands is 688.

The number of locations cancelled for non-compliance with the regulations of settlement duties on lots located under assigned Military Certificates was nine.

The total number therefore that are shown to have been redeemed is 11,742, leaving as still outstanding 2,257.

Patents were issued during the year for 674, making a total of 4,563 issued to the end of the year.

THE MINERAL INDUSTRY.

The aggregate value of the mineral products of Ontario increases year by year. In 1911 the output of the mines and metalliferous works of the Province amounted in value to about 42 millions of dollars. Of this, metallic products contributed about 29 millions and non-metallic products 13 millions.

In their yield of silver the mines of Cobalt provide one-seventh of the world's output, the production for 1911 being thirty-one and a half million ounces. A feature of the camp is the development of concentration and refining processes on the spot. Most of the high-grade ore is now treated within the bounds of the Province, and the mines are finding it increasingly profitable to concentrate their lower-grade material, thus escaping the payment of freight charges on much waste rock. A number of the companies are now shipping merchantable bars direct to London. South Lorrain and Gowganda are also producing silver.

The development of the gold mines at Porcupine was not a little impeded by the disastrous fires which swept that neighborhood in the summer of 1911, and which caused so lamentable a loss of human life. The two largest and most advanced plants, those at the Dome and Hollinger mines, were completely destroyed, but are both being re-built. Several other mining properties suffered severely. As a result, the actual gold production at Porcupine was small. Early

in 1912, however, it is expected that the two mines mentioned as well as some others will be yielding bullion, and it may confidently be expected that Porcupine will make an appreciable contribution to the gold supply of the Dominion. The Temiskaming and Northern Ontario branch line from Iroquois Falls was approaching completion at the end of the year. Power for operating the mines is being obtained from Sandy Falls on the Mattagami River, in the Township of Mountjoy, and Wawaitin Falls farther up the same river are also undergoing development. Promising finds of gold bearing quartz have been made at West Shining Tree Lake, in the Temagami Forest Reserve.

The output of nickel and copper from the mines of the Sudbury District was somewhat less than in 1910, the yield of nickel being 17,049 tons, and of copper 8,966 tons, the whole having a value in the form of matte of about 5 million dollars. The Canadian Copper Company have increased the smelting capacity of their plant, the ores for which are being taken from the Creighton, Crean Hill and No. 2 mines. The Mond Nickel Company's new smelting works at Coniston, east of Sudbury, were greatly advanced during the year. On the northern range the Dominion Nickel Copper Company did a good deal of drilling and testing.

A notable addition to the iron ore resources of the Province has been made at Magpie in the Michipicoten District, where a large deposit of sideritic ore is being opened up by the Lake Superior Corporation. It is proposed to roast the ore for the removal of sulphur and carbonic acid previous to smelting. The Helen mine in the same district has been systematically worked, and at Moose Mountain, north of Sudbury, a plant for concentrating the magnetic ores of that mine is being installed.

It is evident that the mining industry will prove of great service in the settlement of population in the northern parts of the Province. As exploration is extended, the pre-Cambrian formations are revealing their riches of metallic ores—gold, silver, nickel, copper, iron—and the mining camps which have already come into existence and which are bound to spring up in the future will afford the very best market for all sorts of farm products. Now that railways are rendering Northern Ontario more accessible to prospectors, lumbermen and farmers, the natural wealth of the country, hitherto lying dormant, is being more easily and rapidly developed.

COLLECTIONS.

The total collections of the Department from all sources for the year were \$2,710,242.68. Of this amount \$64,268.43 was derived from mining lands; \$285,913.26 from royalties; \$1,711,438.87 from woods and forests; \$941,709.28 from supplementary revenue; \$78,800.60 from mining licenses and \$126,676.59 from recording fees. (See Appendix No. 4, page 8.)

DISBURSEMENTS.

The gross expenditure of the Department for all services during the year was \$672,655.48. The principal services were: Agents' salaries and disbursements \$57,039.71; Forest ranging \$106,714.17; Fire ranging \$110,111.90; Forest reserves \$80,588.90; Mines and mining \$22,822.62; Explorations and investigations \$12,213.30; Mining Recorders \$32,804.37; Veterans' commutation \$1,050.00; Surveys \$167,428.64; Refunds \$20,546.54; Parks \$20,685.25; Contingencies \$20,898.67. (See Appendices Nos. 6 and 7, pages 10 to 32.)

WOODS AND FORESTS.

The revenue accrual under this head for the year ending the 31st of October last was \$2,151,258.14, which is \$315,393.82 in excess of the revenue accrual for the previous year.

The increased accrual is caused by the coming in force this year of the regulation increasing the timber dues on old limits. The dues on sawlogs have been advanced by 50c. per thousand feet board measure, and on square timber by \$25 per thousand feet cubic. The ground rent was increased last year from \$3 to \$5, and the transfer bonus was also increased from \$3 to \$5 per mile.

The revenue collected during the year was \$1,711,436.87, being \$123,543.84 less than that of the previous year. The decrease in revenue was caused by lumbermen failing to pay in before the 31st of October, the end of our fiscal year, a number of them finding it impossible to pay at that date.

The cut of pine sawlogs and boom timber was 29,000,000 feet board measure less than that of last year. There was also a small decrease in the quantity of other kinds of timber cut. The cut of pulpwood was 9,000 cords less than that of 1910. There was an increase of 467,171 railway ties over the previous year, and a small increase in the quantity of square timber cut. Under the system of culling and measurement in force with respect to recent timber sales the Crown appoints and pays the men who measure, which has caused an increased expenditure under the head of forest ranging. Half of the expense, however, is refundable by the licensees whose timber is measured under this system.

There were no timber sales of any consequence held during the year. A few areas which had been injured by fire were offered for sale by tender so as to obtain the value of the timber for the public.

FIRE RANGING.

The terrible forest fires that occurred in the Porcupine and Cochrane districts during the past year are still fresh in the public mind. Great destruction of timber took place and a number of lives were lost. The Department has made every effort to ascertain the cause of these fires and locate the responsibility for them, but it has been impossible to fix the responsibility upon any one in particular. The circumstances were such as to render certain the occurrence of terrible forest fires if any one even dropped a lighted match on the ground. Those people who were building small houses used such timber as they required, leaving the tops and limbs lying on the ground. The same thing happened with respect to the cutting of trees for fuel. When mining is being carried on extensively large numbers of trees are cut for buildings, fuel and other purposes. Where villages or towns spring up suddenly the same thing occurs on a more extensive scale, until the whole neighborhood is carpeted with limbs and brush, and as Jack pine and Spruce are the principal timbers in that country, and the limbs and needles of the trees are full of resin and highly inflammable, when the summer comes the sun dries them up and they will ignite easily and burn fiercely. This was the state of affairs that existed in the regions of Porcupine and Cochrane last summer when the fires occurred. The fires extended into the towns and when the buildings became ignited it was impossible to save them, surrounded as they were by a sea of fire.

The prevention of similar catastrophes will only be secured by those who cut down the trees for any purpose, piling the brush and debris as they cut

and burn it as occasion warrants. The Town of Porcupine was completely destroyed and many extensive mining plants were wiped out, and there was a great loss of life. A similar tragedy overtook the Town of Cochrane, where the loss of life was not so serious, but the town was almost destroyed. These fires were practically the only forest fires of any moment occurring last year. Naturally a great deal of sympathy for these unfortunate people was aroused and large sums of money were subscribed to relieve the necessities of those who lost their all, and were left bare to the wind. Every effort to give them a start again was made. Humanly speaking, everything was done promptly and generously by a sympathetic public. These two towns have risen from their ashes and are again becoming active business centres, but the loss of life was irremediable and deplorable.

The timber damaged consisted of Jack pine and Spruce, there being no Red or White pine of any moment in that locality.

FOREST RESERVES.

In all the forest reserves adequate numbers of fire rangers were put on duty, and the utmost care exercised to prevent the occurrence or spread of forest fires.

The Temagami Forest Reserve has an area of about 6,000 miles; the Mississauga of about 3,000; the Nepigon, 7,300; the Quetico, 1,560; the Eastern, 100, and the Sibley 70, making a total of about 18,030 miles set apart as forest reserves for the conservation and protection of the timber therein.

There is also the National Park known as Algonquin Park, with an area of 2,060 miles, and Rondeau Park with 8 square miles. It is gratifying to be able to state that no fires occurred in these reserves or parks, which is in a large measure attributable to the close supervision that is kept during the summer months.

RAILWAYS.

Along the lines of railways penetrating the forest careful supervision by forest rangers was exercised. The Transcontinental extending from one end of the Province to the other, through a dense Spruce forest, was largely in the building stage. Here a large staff of fire rangers under the supervision of careful chiefs was placed, and as a consequence no forest fires of any moment took place. On the Temiskaming and Northern Ontario, the Canadian Pacific, the Canadian Northern, the Algoma Central and the Thunder Bay Branch of the Grand Trunk Pacific, staffs of fire rangers were on duty under capable superintendents, and no fires occurred on any of these lines or adjacent to them, which is an evidence that care was exercised by the rangers, and this, together with the active sympathy and support of the managements and the employees of the railways, brought about the good results which obtained.

GENERAL.

The number of rangers on duty in forest reserves was 190; on railways, 171; on Crown Lands, 91, or a total of 452 fire rangers employed by the Crown.

The cost of this service was \$190,700.80. There was on licensed lands a staff of 431 rangers, who were paid by the licensees. In addition there were about 15 supervising rangers, or a total ranging staff of 898.

The Canadian Northern Railway is now entering upon the building of its Transcontinental line through the Province of Ontario. This line runs about midway between the National Transcontinental Railway and the Canadian Pacific.

The Algoma Central is also building its railway extending north from the junction with the Canadian Pacific at Hobon to the junction with the National Transcontinental at Hearst, and an additional staff of fire rangers will have to be placed on these lines during the coming summer—probably an additional 200 men.

The expenditure on account of fire ranging in the Province has been a large one, but the results have justified the expenditure.

CULLER'S EXAMINATIONS.

Culler's Examinations were held during the year at North Bay, Kenora, Fort Frances and Port Arthur. Forty-seven candidates were successful at these examinations and were granted certificates authorizing them to act as cullers.

(For list of cullers see Appendix No. 46, page 103.)

CROWN SURVEYS.

The following Crown surveys have been undertaken this year.

Instructions for sub-division of an addition to the Township of Lyon, east of Port Arthur, and part of a township along the Grand Trunk Pacific Railway north-west of Fort William, in the District of Thunder Bay, were issued.

Instructions were also issued for the sub-division of an addition to the Township of Zealand, near Wabigoon, in the District of Kenora.

Instructions were also issued for a survey of a tract of land into lots near Mack Station, on the Grand Trunk Pacific Railway, in the District of Thunder Bay.

Instructions were also issued for the continuation of the survey of islands in Georgian Bay, which survey was uncompleted last season.

Instructions were also issued for the survey of islands in the Lake of the Woods, of islands in the Winnipeg River, Sand and Gun Lakes in the District of Kenora, and in Rainy Lake in the District of Rainy River; also for the survey of islands in Seseikinika Lake on the line of the Temiskaming and Northern Ontario Railway, north of Swastika, in the District of Nipissing.

Instructions were also issued for a traverse of the Mattagami River from the Transcontinental Railway north to its junction with the Missinaibi River; also for the survey of the Ground Hog and Kapuskasing Rivers north of the Transcontinental Railway in the District of Sudbury, including all water powers therein.

Instructions were issued for a number of base and meridian lines in the Districts of Sudbury and Nipissing.

Instructions were also issued for the survey of outlines of townships in the Districts of Sudbury, Nipissing and the Temagami Forest Reserve.

One hundred and twenty-seven miles of base and meridian lines were run in the District of Sudbury through the unsurveyed section of said district along the Metagami River, north of the Transcontinental Railway.

Instructions were also issued for the survey of three Town Plots on the Transcontinental Railway, at Low Bush River, Mattagami, Mattawishguia (or Hearst), in the Districts of Nipissing, Sudbury and Algoma, respectively, and for the Village Plot of Waldhof, on the Canadian Pacific in the District of Kenora.

A survey of the water ways between Biscotasing Lake and Fort Mattagami was performed.

Several surveys of water powers and other minor surveys have been performed.

The reports of the Surveyors so far received and examined will be found in Appendices 18 to 43 inclusive, pages 47 to 97 inclusive.

MUNICIPAL SURVEYS.

On the petition of the Municipal Council of the Township of Nepean, instructions were issued to survey the original road allowance between lot 30, concession 2, Ottawa front, and lots lettered J, K, L, M and N, concession A, Rideau front, in the Township of Nepean. Also on the petition of the Municipal Council of the Township of Williamsburg, instructions were issued to survey the road allowance between the 7th and 8th concessions of the Township of Williamsburg, from the east limit of lot 25, or the nearest undisputed monument to the west limit of the township. Also on the petition of the Municipal Council of Elmsley North, instructions were issued to survey the original road allowance between the 6th and 7th concessions from lot 22 to lot 30 inclusive, and to define the road allowance by permanent stone or iron monuments on each side thereof.

The following municipal surveys have been confirmed under the provisions of the Revised Statutes of Ontario 1897, chapter 181, sections 14 and 15, such surveys being final and conclusive: Part of the concession line between concessions 4 and 5, in the Township of Williamsburg from the west side of lot No. 9 to the east boundary of the township, and to define the road allowance between the said concessions with stone or iron monuments. Also the road allowance along the west bank of the Otonabee River, from Wolfe Street to Hunter Street, in the Town of Peterborough, and to define the western limit of said road allowance by stone or iron monuments. Also the concession road allowance between the 8th and 9th concessions of the Township of Hinchinbrooke from lot 12, south to lot 8, and to define the same by permanent boundaries. Also the survey of the town line between the Townships of Nepean and North Gower, and to define the same by permanent monuments.

MINING AND OTHER SURVEYS.

The Mining Act of Ontario requires that applicants to purchase or lease mining lands in unsurveyed territory shall file in the Department surveyor's plans (in triplicate) of the proposed mining claims with field notes and description by metes and bounds, before any sale or lease can be carried out, and under Orders-in-Council, dated February 26th, 1906, 2nd October, 1907, 7th November, 1907, applicants to purchase islands, or locations for pleasure and summer resorts or for agricultural purposes in unsurveyed territory, are required to file surveyor's plans (in triplicate) of their islands or locations as the case may be, with field notes and descriptions by metes and bounds, together with the necessary affidavits as to there being no adverse claim by occupation or improvement, etc.

Under the above Act, Orders-in-Council and Regulations in the Districts of Parry Sound, Nipissing, Sudbury, Algoma, Thunder Bay, Rainy River and Kenora, an area of 22,448.75 acres has been sold and patented during the year, for which the sum of \$83,518.60 has been received, and an area of 11,138.12 acres has been leased for the sum of \$12,699.24 as the first year's rental.

W. H. HEARST,
Minister.

APPENDICES

Appendix No. 1.

Return of Officers and Clerks of the Department of Lands, Forests and Mines for the year ending October 31st, 1911.

Branch.	Name.	Designation.	When appointed.	Salary per annum.	Remarks.
	Hon. F. Cochrane	Minister	1905, May 13....	\$ 6,000 00	Resigned October 11, 1911.
	Hon. W. H. Hearst	do	1911, Oct. 12....	6,000 00	
	Aubrey White	Deputy Minister	1882, Jan. 1.....	4,000 00	
	Geo. Kennedy	Law Clerk	1872, Feb. 1.....	2,650 00	
	Geo. W. Yates	Minister's Secretary	1899, Feb. 26....	2,000 00	
	E. S. Williamson	Secretary to Department ..	1889, May 1.....	1,800 00	
	Janet Garvie	Stenographer	1905, Jan. 1.....	700 00	
	James Farrington	Clerk and Stenographer	1910, Dec. 14....	550 00	
	J. J. Murphy	Chief Clerk	1872, May 1.....	2,150 00	
	Walter C. Cain	Clerk	1903, March 6....	1,550 00	
Sales and Free Grants	W. R. Ledger	do	1894, Feb. 5.....	1,200 00	
	Selby Draper	do	1903, Jan. 1.....	1,200 00	
	S. A. Platt	do	1907, March 13....	1,000 00	
	F. Lucas	do	1909, March 24....	950 00	
	F. Samuels	do	1909, March 24....	725 00	
	May Bengough	Stenographer	1896, Oct. 23....	700 00	
	Jean C. Oran	do	1907, Jan. 16....	675 00	
	Nan McQueen	do	1909, March 24....	650 00	
	R. H. Browne	Chief Clerk	1900, March 2....	1,800 00	Resigned August 31st, 1911.
	R. T. Winter	Clerk	1904, Jan. 13....	1,000 00	
Military Grants.	E. M. Browne	do	1909, March 24....	625 00	Resigned March 31, 1911.
	E. F. O'Neil	Stenographer	1904, Nov. 9.....	650 00	
	G. B. Kirkpatrick	Director of Surveys	1886, Jan. 30....	2,600 00	
	J. F. Whitson	Surveyor and Draughtsman..	1892, Sept. 1.....	2,400 00	
	L. V. Rorke	Asst Surveyor & Draughtsman	1909, May 1.....	2,000 00	
	W. F. Lewis	Clerk	1872, May 5.....	1,250 00	
	D. G. Boyd	Draughtsman	1897, Sept. 27....	1,450 00	
	E. M. Jarvis	Clerk	1904, Oct. 19....	1,150 00	
	J. B. Proctor	do	1897, Jan. 15....	1,050 00	
	H. Treeby	Draughtsman	1904, Jan. 13....	1,100 00	
Surveys and Patents	John Work	do	1911, March 3....	1,000 00	
	F. E. Blanchet	do	1907, March 13....	950 00	

Woods and Forests . . .	J. L. Byrne	Draughtsman	1909, March 24..	950 00
	A. Leaman	do	1909, March 24..	950 00
	M. H. Kirkland	Stenographer	1904, Nov. 23....	675 00
	E. G. Halliday	do	1909, March 24..	625 00
	E. C. Armer	do	1911, March 3....	550 00
	B. Benson	do	1911, March 3....	550 00
	C. O'Connor	do	1911, March 3....	550 00
	C. S. Jones	Chief Clerk	1890, May 22....	1,900 00
	C. E. Burns	Clerk	1900, April 9....	1,250 00
	W. S. Sutherland	do	1902, Jan. 13....	1,200 00
	W. Carrell	do	1904, Jan. 15....	1 100 00
	A. E. Robillard	do	1894, May 8....	900 00
	A. E. Roe	do	1909, March 24..	1,000 00
	J. A. G. Crozier	Chief Clerk	1867, Dec. 1.....	2,150 00
	J. B. Cook	Clerk	1898, Aug. 1.....	1,550 00
	H. Gillard	do	1900, April 9....	1,350 00
	F. J. Niven	do	1903, March 6....	1,150 00
	W. F. Trivett	do	1904, Jan. 13....	1,100 00
	R. H. Hodgson	do	1904, Nov. 23....	1,050 00
	J. Houser	do	1907, March 13..	1,100 00
Accounts	A. J. Lamb	do	1907, March 13..	950 00
	A. H. O'Neill	do	1909, March 24..	850 00
	G. W. Harris	do	1909, March 24..	850 00
	N. L. Rogers	do	1911, Nov. 1.....	800 00
	S. D. Meeking	do	1910, June 1.....	750 00
	Florence Lennon	Stenographer	1907, March 13..	650 00
	Amy Thompson	do	1909, March 24..	650 00
	Mary E. Bliss	do	1909, Sept. 1.....	550 00
	D. G. Ross	Accountant	1861, April 15....	2,350 00
	E. Leigh	Clerk	1873, Dec. 20....	1,200 00
	H. M. Lount	do	1904, Jan. 13....	1,350 00
	H. E. Johnston	do	1907, March 13..	1,050 00
	H. G. Harris	do	1907, March 13..	1,000 00
	C. J. Clarke	do	1907, March 13..	1,000 00
	C. Bowland	Clerk and Stenographer	1911, March 3....	600 00
	Frank Yeigh	Registrar	1880, March 1....	1,500 00
	Chester Dies	Clerk	1907, March 13..	1,000 00
	Thomas W. Gibson	Deputy Minister	1891, June 19....	3,500 00
	R. D. Fisher	Secretary	1907, March 13..	1,150 00
	W. H. Morris	Clerk	1906, Jan. 1.....	1 000 00

Resigned June 28, 1911.

Resigned March 14, 1911.

Bureau of Mines

Appendix No. 1.—Continued.

Return of Officers and Clerks of the Department of Lands, Forests and Mines for the year ending October 31st, 1911.

Branch.	Name.	Designation.	When appointed.	Salary per annum.	Remarks.
Bureau of Mines.	R. A. Sinclair	Clerk	1907, March 13..	\$ 1,000 00	
	W. Lemoine	do	1908, April 8....	1,000 00	
	A. Burritt	Clerk	1908, April 8....	1,000 00	
	Anne Moffatt	do	1901, March 1....	950 00	
	D. H. Barr	do	1907, March 13..	1,000 00	
	A. G. Scovell	do	1909, March 24..	900 00	
	C. W. St. John	do	1910, April 14....	850 00	
	Ethel Craig	Stenographer	1906, May 16....	725 00	
	Flossie McDougall	do	1907, March 13..	675 00	
	J. L. McNaughton	do	1909, March 24..	675 00	
	H. Brophy	Messenger	1893, Oct. 1.....	800 00	

D. GEO. ROSS,
Accountant.

AUBREY WHITE,

Deputy Minister Lands and Forests.

Appendix No. 2.

List of Land Agents and Homestead Inspectors for the year ending October 31st. 1911.

Name.	Post office address.	District or county.	Date of appointment.	Salary per annum.	Remarks.
Baker, R. H.	Minden	Part of Victoria	1907, Oct. 1	\$ 350 00	
Earr, James	Fort Frances ..	Homestead Inspector	1906, Nov. 23 ..	1,200 00	
Both, Charles	Denbigh	Part of Frontenac and Addington	1905, Oct. 20 ..	100 00	
Brown, J. B.	Bracebridge	Homestead Inspector and Crown Lands Agent	1905, July 28 ..	900 00	
Byers, R. J.	Massey	Part of District of Sudbury	1905, July 3	500 00	
Buchanan, T.	Thessalon	do do Algoma	1901, Nov. 30 ..	300 00	
Burnes, C. W.	Sundridge	Homestead Inspector	1905, Nov. 15 ..	900 00	
Campbell, W.	Stratton Station ..	Part of District of Rainy River	1897, Aug. 12 ..	500 00	
Campbell, J. G.	Cochrane	do do Nipissing	1908, Nov. 19 ..	500 00	Died December 6th, 1910, Resigned January 31st 1911
Cameron, W.	Stratton Station ..	do do Rainy River	1911, April 27 ..	500 00	
Chester, T.	New Liskeard	Homestead Inspector	1906, June 8	1,200 00	
Child, F. A.	Matheson	Part of District of Nipissing	1909, Jan. 8	500 00	
Dean, Thomas	Sault Ste. Marie ..	Homestead Inspector	1908, July 29 ..	600 00	
Dempsey, S. J.	Cochrane	Part of District of Nipissing	1911, Feb. 1	500 00	
Eastland, T. G.	Apsley	Part of County of Peterboro.	1896, July 10 ..	300 00	
Ellis, H. J.	Powassan	do District of Parry Sound	1909, May 20 ..	500 00	
Freeborn, Dr. J. S. ..	Magnetawan	do do Parry Sound	1905, Nov. 10 ..	500 00	
Grills, J. J.	New Liskeard	Lake Temiskaming, District of Nipissing	1905, July 3	500 00	
Groulx, R. J.	Chelmsford	Homestead Inspector	1906, May 7	600 00	Resigned April 25th, 1911.
Hales, W.	Apsley	Part of County of Peterboro	1911, July 17 ..	250 00	
Hollands, C. J.	Fort Frances	Part Town Plot of Alberta and part of District of Rainy River	1892, Oct. 12	300 00	
Hughes, Thomas	Murillo	Homestead Inspector	1908, July 20 ..	600 00	
Jenkin, William	Emsdale	Part of District of Parry Sound	1908, July 29 ..	500 00	
Keefe, H. A.	Port Arthur	do do Thunder Bay	1907, Oct. 30 ..	500 00	Resigned July 8th, 1911.
Langlois, E.	Warren	do do Sudbury	1911, April 4	500 00	
Lemieux, J. A.	Bleazard Valley ..	do do Sudbury	1908, July 1	400 00	
MacLennan, J. K.	Sudbury	do do Sudbury	1905, July 3	500 00	
McFayden, Alex.	Emo	do do Rainy River	1905, Sept. 8 ..	500 00	
Parsons, W. J.	North Bay	do do Nipissing	1908, April 8 ..	500 00	
Phillon, J. A.	Sturgeon Falls	do do Nipissing	1907, Sept. 13 ..	500 00	
Powell, F. R.	Parry Sound	do do Parry Sound	1907, May 31 ..	500 00	

Appendix No. 2.—Continued.

List of Land Agents and Homestead Inspectors for the year ending October 31st, 1911.—Continued.

Name.	Post office address.	District or county.	Date of appointment.	Salary per annum.	Remarks.
Prince, Adam	Wilno	Part of Renfrew	1905, July 12...	\$ 500 00	
Pronger, R. H.	Dryden	do District of Rainy River	1906, May 7...	400 00	
Quenneville, I.	Sturgeon Falls	Homestead Inspector	1906, May 7...	600 00	
Rothwell, B. J.	Sault Ste. Marie	Part of District of Algoma	1909, March 1..	300 00	
Smith, James	Kenora	Homestead Inspector	1909, June 18..	3 00	per day while employed.
Small, Robert	Mattawa	Part of District of Nipissing	1910, June 30...	500 00	
Spry, W. L.	Kenora	do do Rainy River	1909, Sept. 21..	400 00	Also Mining Recorder.
Tait, J. R.	L'Amable	Part of Hastings	1869, May 28 ..	500 00	
Wilson, James	Kinnmount	do Peterboro	1905, May 31...	150 00	
Warren, D. B.	Pembroke	do Renfrew	1905, July 3...	300 00	
Wright, E. A.	Warren	do District of Sudbury	1905, July 14...	500 00	
Whybourne, W. E.	Marksville	do St. Joseph Island	1905, April 7...	250 00	Resigned March 21st, 1911.
Watson, T. P.	New Liskeard	Homestead Inspector	1905, May 10...	912 50	
Woollings, J.	Englehart	Part of District of Nipissing	1908, June 30 ..	500 00	

D. GEO. ROSS

Accountant.

AUBREY WHITE,

Deputy Minister Lands and Forests.

Appendix No. 3.

Statement of Lands Sold and Leased. Amount of Sales and Leases and Amount of Collections for the year ending October 31st, 1911.

Service.	Acres sold and leased.	Amount of sales and leases.	Collection on sales and leases.
<i>Crown Lands:</i>		\$ c.	\$ c.
Agricultural	118,573.04	159,889 89	109,681 31
Mining	27,924.08	58,997 77	64,268 43
Clergy Lands			4,522 15
Common School Lands .....	.50	25 00	6,281 24
Grammar School Lands			200 00
University Lands	5,626.90	2,818 25	1,889 12
<i>Leases:</i>			
Mining	10,292.05	11,758 64	25,797 14
Crown	5,213	589 00	21,577 82
	167,629.57	\$234,078 55	\$234,217 21

D. GEO. ROSS.
Accountant.

AUBREY WHITE.
Deputy Minister Lands and Forests.

Appendix No. 4.

Statement of Revenue of the Department of Lands, Forests and Mines for the year
ending October 31st, 1911.

Service.	\$	c.	\$	c.	\$	c.
LAND COLLECTIONS.						
<i>Crown Lands:</i>						
Agricultural	70,945	86				
Townsites	38,735	45				
			109,681	31		
Mining			64,268	43		
			173,949	74		
Clergy Lands	4,522	15				
Common School Lands	6,281	24				
Grammar School Lands	200	00				
University Lands	1,889	12				
			12,892	51		
<i>Rent:</i>						
Mining Leases	25,797	14				
Crown Leases	21,577	82				
			47,374	96		
Miners' Licenses	78,800	60				
Permits	6,291	38				
Recording Fees	126,676	59				
			211,768	57		
Royalties	285,913	26				
Provincial Mines	348	73				
			286,261	99		
<i>Supplementary Revenue:</i>						
Acreage Tax	14,570	91				
Profit Tax	176,314	23				
Gas Tax	18,576	37				
			209,461	51		
WOODS AND FORESTS.						
Bonus			426,718	71		
Timber Dues			1,173,283	85		
Ground Rent			104,325	96		
Transfer Fees			7,110	35		
					1,711,438	87
Provincial Assay Fees	1,362	37				
Casual Fees	791	01				
Cullers' Fees	288	00				
			2,441	38		
Algonquin Park	5,415	92				
Rondeau Park	357	80				
Forest Reserves	1,309	00				
			7,082	72		
					9,524	10
REFUNDS.						
Wood Ranging			9,818	89		
Fire Ranging			33,679	66		
Surveys			3,598	63		
Agents' Salaries			310	00		
Contingencies			150	00		
Explorations and Investigations			12	00		
Bureau of Mines			1	25		
					47,570	43
					\$2,710,242	68

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 5.

Statement of Receipts of the Department of Lands, Forests and Mines for the year ending October 31st, 1911, which are considered as Special Funds.

Service.	\$ c.	\$ c.
<i>Clergy Lands.</i>		
Principal..	2,628 05	
Interest.....	1,894 10	4,522 15
<i>Common School Lands.</i>		
Principal.....	2,397 08	
Interest.....	3,884 16	6,281 24
<i>Grammar School Lands.</i>		
Principal.....	99 00	
Interest.....	101 00	200 00
<i>University Lands.</i>		
Principal.	1,731 57	
Interest.....	157 55	1,889 12
		\$12,892 51

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 6.

Statement of Disbursements of the Department of Lands, Forests and Mines for the year ending October 31st, 1911.

Service.	\$ c.	\$ c.	\$ c.
AGENTS' SALARIES AND DISBURSEMENTS.			
<i>Land, \$14,790.20.</i>			
Baker, R. H.	350 00		
Disbursements	4 57		
		354 57	
Both, C.	100 00		
Disbursements	23 65		
		123 65	
Brown, James B.	900 00		
Disbursements	132 60		
		1,032 60	
Buchanan, Thomas		300 00	
Byers, R. J.	500 00		
Disbursements	10 64		
		510 64	
Campbell, J. G.	125 00		
Disbursements	18 45		
		143 45	
Campbell, Wm.	49 31		
Disbursements	14 20		
		63 51	
Campbell, A. B.	210 95		
Disbursements	20 20		
		231 15	
Cameron, W.	241 45		
Disbursements	13 85		
		255 30	
Child, F. A.	500 00		
Disbursements	32 95		
		532 95	
Dempsay, S. J.	375 30		
Disbursements	12 80		
		387 80	
Eastland, T. G.		212 35	
Hales, W.		62 50	
Ellis, H. J.		500 00	
Freeborn, J. S.	500 00		
Disbursements	13 50		
		513 50	
Grills, J. J.	500 00		
Disbursements	68 84		
		568 84	
Hollands, C. J.		300 00	
Jenkin, W.	500 00		
Disbursements	6 74		
		506 74	
Keefer, H. A.	343 75		
Disbursements	40 00		
		383 75	
Langlois, E.		276 70	
Lemieux, J. A.		400 00	
McFayden, A.	500 00		
Disbursements	77 58		
		577 58	
MacLennan, J. K.	500 00		
Disbursements	111 90		
		611 90	
<i>Carried forward</i>		8,849 48	

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		8,849 48	
<i>AGENTS' SALARIES AND DISBURSEMENTS—Continued.</i>			
<i>Land.—Continued.</i>			
Parsons, W. J.	500 00		
Disbursements	12 50	512 50	
Phillion, J. A.	500 00		
Disbursements	17 29	517 29	
Powell, F. R.	500 00		
Disbursements	14 00	514 00	
Prince, A.	500 00		
Disbursements	22 50	522 50	
Pronger, R. H.	400 00		
Disbursements	31 00	431 00	
Rothwell, B. J.		300 00	
Small, Robert	500 00		
Disbursements	4 60	504 60	
Spry, W. L.	400 00		
Disbursements	260 50	660 50	
Tait, J. R.		500 00	
Warren, D. B.	300 00		
Disbursements	3 00	303 00	
Whybourne, W. E.	250 00		
Disbursements	6 03	256 03	
Wilson, J.	150 00		
Disbursements	9 00	159 00	
Woollings, Jos.	500 00		
Disbursements	37 00	537 00	
Wright, E. A.		223 30	
<i>Homestead Inspectors, \$10,010.44.</i>			
Barr, James	1,200 00		
Disbursements	911 76	2,111 76	
Burnes, C. W.	900 00		
Disbursements	683 65	1,583 65	
Chester, T.	1,200 00		
Disbursements	569 43	1,769 43	
Dean, T.	600 00		
Disbursements	32 85	632 85	
Groulx, R. J.		600 00	
Hughes, Thomas	600 00		
Disbursements	355 25	955 25	
<i>Carried forward</i>		22,443 14	

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		22,443 14	
<i>AGENTS' SALARIES AND DISBURSEMENTS—Continued.</i>			
<i>Homestead Inspectors.—Concluded.</i>			
Quenneville, I.	600 00		
Disbursements	99 00		
		699 00	
Watson, T. P.	912 50		
Disbursements	746 00		
		1,658 50	
<i>Timber, \$28,071.37.</i>			
Christie, W. P.	1,600 00		
Disbursements	441 22		
		2,041 22	
Hawkins, S. J.	1,430 00		
Disbursements	453 36		
		1,883 36	
Henderson, C.	1,766 00		
Disbursements	530 54		
		2,296 54	
Johnson, S. M.	1,600 00		
Disbursements	318 49		
		1,918 49	
McDonald, H.	1,400 00		
Disbursements	501 00		
		1,901 00	
McDougall, J. T.	1,600 00		
Disbursements	374 06		
		1,974 06	
McDonald, S. C.	1,600 00		
Disbursements	233 47		
		1,833 47	
Margach, Wm.	1,600 00		
Legris, John	900 00		
Disbursements	2,751 28		
		5,251 28	
Maughan, J.	1,400 00		
Disbursements	563 25		
		1,963 25	
Oliver, J. A.	1,625 00		
Disbursements	1,580 60		
		3,205 60	
Stevenson, A.	1,400 00		
Disbursements	504 23		
		1,904 23	
Watts, George	1,500 00		
Disbursements	428 87		
		1,928 87	
<i>Miscellaneous, \$984.19.</i>			
Ames, D. H., Caretaker Islands in Dog and Lough- borough Lakes		20 00	
Belleperche, P. A., Valuating Lots in Sandwich East		15 00	
Bilton, George, Caretaker Island North and South Crosby		25 00	
Davis, S., Caretaker Islands in Leonard Lake ..		20 00	
Guthrie, Wm., Caretaker Islands in Devil's Lake ..		25 00	
<i>Carried forward</i>		52,977 01	

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		52,977 01	
<i>AGENTS' SALARIES AND DISBURSEMENTS—Continued.</i>			
<i>Miscellaneous.—Concluded.</i>			
Hunt, J. McK., Examination of Lots West of Nepigon		148 52	
McKelvey, Wm., Inspection of Lots in Mills, Hardy and McConkey		500 00	
McArthur, T. A., Disbursements of Inspector of Agencies		183 92	
Proulx, A., Inspection of Land in Township of Phelps		17 50	
Howie, R. G., Supplies		29 25	
			53,856 20
<i>OTTAWA.</i>			
Darby, E. J., Agent		1,500 00	
Larose, S. C., Clerk		1,000 00	
Rent	625 00		
Disbursements	58 51		
		683 51	
			3,183 51
<i>WOOD RANGING.</i>			
Adams, William		9 00	
Ainsley, Alex.		665 00	
Allen, R. A.	1,728 00		
Disbursements	143 75		
		1,871 75	
Ansley, J. J.		795 00	
Ansley, W. E.		730 00	
Arnill, W.		815 00	
Barrett, Thomas		1,035 00	
Bates, R.		616 00	
Bailey, J. S.		845 00	
Baulke, G. R.		368 00	
Berlinquet, J.		780 00	
Bennie, Thomas		880 00	
Bliss, C. L.		830 00	
Bliss, L. E.	940 00		
Disbursements	66 50		
		1,006 50	
Brown, J. F.		532 00	
Buie, D.		856 54	
Buchan, H.		134 04	
Buisson, W.		725 00	
Burns, G.		459 00	
Callaghan, Thomas		548 00	
Carter, George		675 00	
Castonguay, A. C.		1,095 00	
Clark, D. A.		480 00	
Cleffy, E. D.		348 00	
Comer, B. F.		624 00	
Chenier, D. A.		940 00	
Corrigan, John		544 00	
Corrigan, R. T.		1,015 00	
Coyne, Phin		970 00	
Cross, R. J.		644 00	
Dickie, D.		336 00	
Didier, H.		900 00	
<i>Carried forward</i>		23,071 83	57,039 71

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		23,071 83	57,039 71
<i>WOOD RANGING.—Continued.</i>			
Dougherty, J. M.		484 00	
Durrell, W.		1,315 00	
Duval, C. A.		840 00	
Eldridge, R.		352 00	
Faulkner, Joe		100 00	
Ferguson, E. A.		1,080 00	
Fink, J.		408 00	
Fiddes, J.		440 00	
Fisher, George		795 00	
Fitzgerald, E. C.		910 00	
Foster, E. G.		170 00	
Fraser, Duncan		1,250 00	
Fraser, W. A.		650 00	
Gamey, W. H.		850 00	
Gilligan, E.		660 00	
Gorman, J. P.		836 92	
Graham, John		140 00	
Hagan, E. C.		690 00	
Hamilton John		66 00	
Hartley, C.		1,370 00	
Hartt, J. I.		645 00	
Hawkins, H. C.		865 00	
Henderson, C., Disbursements		227 65	
Hogarth, J. R.		430 00	
Huckson, A. H.		1,355 00	
Humphrey, John		416 00	
Hurdman, W. H.		635 00	
Hutton, John		1,025 00	
Irving, Ed.		668 00	
Johnson, R. E.		280 00	
Johnson, S. M., Disbursements		33 33	
Johnston, G. N.		516 00	
King's Printer, Log Books		2,000 00	
Kirby, D. F.		444 00	
LaBelle, A.		136 00	
LeBrun, D.		476 00	
Lee, J. B.		940 00	
Leroy, L. H.		380 00	
Londry, W. E.		719 23	
Long, H. E.	1,025 00		
Disbursements	11 75		
		1,036 75	
Lowe, W. C.		404 00	
Mackey, R. L.		308 00	
Macdonell, R. D.		920 00	
Manice, W.		1,480 00	
Margach, J. A.		292 00	
Margach, William, Disbursements		1,001 02	
Matheson, William		209 63	
Menzies, A.		1,070 00	
Mickolson, John		105 00	
Miller, William		100 00	
Milway, J. H.		1,565 00	
Molyneaux, Geo.		230 00	
Morel, H.		42 00	
Morley, F. W.		404 00	
Mulroney, W. J. & G.		12 30	
Murray, William		1,575 00	
<i>Carried forward</i>		59,424 66	57,039 71

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		59,424 66	57,039 71
<i>WOOD RANGING.—Continued.</i>			
McAuley, W. D.		756 54	
McCaw, J. E.		795 00	
McCaw, J. G.		1,895 00	
McCall, Alf.		220 00	
McCallum, Donald		196 00	
McDonald, Hector, Disbursements		2 00	
McDonald, Jos.		645 00	
McDonald, A. J.	1,360 00		
Disbursements	99 00		
		1,459 00	
McDonald, J. D.		1,405 00	
McDonald, Thomas		177 00	
McDougall, J. T.		3 00	
McGillivray, D. D.		1,164 00	
McGregor, C. F.		510 00	
McGregor, W. H.		441 00	
McIvor, J. A.		508 00	
McKinley, J. H.		510 00	
McLeod, W. A.		1,280 00	
McNamara, J.		205 00	
McPherson, J. S.		1,395 00	
McNabb, Alex.		1,190 00	
McKenzie, Robert		672 00	
McWhinney, F.		376 00	
Nevison, W. H.		256 00	
Newburn, William		280 00	
Niblett, James		312 00	
Nicholson, J.		67 50	
Oliver, J. A.		102 50	
O'Sullivan, J.		25 00	
Paul, C. A.		1,366 54	
Piggott, John		1,270 00	
Purdy, John		805 00	
Revell, L. O.		1,448 00	
Ridley, Robert		1,205 00	
Ritchie, J. A.		170 00	
Rogers, F.		581 92	
Ross, S.		308 00	
Rothera, C. F.		468 00	
Rusk, O.	1,040 00		
Disbursements	32 90		
		1,072 90	
Shaw, Alf.		720 00	
Shaw, George		485 00	
Sharpe, J. A.		838 00	
Shields, F.		508 00	
Shilling, H.		42 00	
Simmons, A. G.		980 00	
Simpson, William		680 00	
Smith, J. D. C.		1,062 95	
Smyth, W. F.		258 00	
Stein, P.		850 00	
Stewart, J.		408 00	
Stewart, A.		126 00	
Strickland, R.		765 00	
Sutton, J.		135 00	
Taylor, G. N.		238 00	
Thompson, G. S.		960 00	
<i>Carried forward</i>		94,023 51	57,039 7

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		94,023 51	57,039 71
<i>WOOD RANGING.—Concluded.</i>			
Thompson, R. D.		655 00	
Thompson, W. B.		595 00	
Tucker, L. A.		520 00	
Urquhart, A.		1,100 00	
Vincent, H. T.		625 00	
Wagner, Fred.		488 00	
Watts, George, Disbursements		57 05	
Watts, J. J.		240 00	
Webster, H. R.		340 00	
Webster, W. A.		1,000 00	
Whalen, P. J.		1,695 00	
White, A. T.		880 00	
Wilkins, G. N.		915 00	
Wilkins, B.		60 80	
Wilson, D.		1,405 00	
Wood, W. D.		1,114 81	
Yuill, Thomas		1,000 00	
			106,714 17
<i>EXPLORATION AND ESTIMATION OF TIMBER BERTHS.</i>			
Allen, R. A., Disbursements		25 60	
Annis, Thomas		116 00	
Fraser, Duncan		185 00	
Henderson, Charles, Disbursements		238 95	
Margach, William, Disbursements		182 00	
McDonald, Thomas	237 00		
Disbursements	9 15		
		246 15	
Webster, W. A.	150 00		
Disbursements	74 79		
		224 79	
<i>FIRE RANGING.</i>			
Adams, A.		382 50	
Allen, W. T.		382 50	
Allen, D.		415 00	
Allen, Wm.		420 00	
Alison, M. B.		365 00	
Anger, Leon		387 50	
Armstrong, W. H.		347 50	
Armstrong, F. C.		375 00	
Aylward, Jas.		555 00	
Baird, S.		28 00	
Baird, A. W.		277 50	
Baker, H. S.		332 50	
Barr, James		147 50	
Bartlett, G. W.		22 22	
Barbeau, J.		375 00	
Bates, Robert		55 00	
Beaton, D.		80 00	
Begg, D.		97 50	
Belanger, E.		360 00	
Bertram, A. S.		317 50	
Bentham, William		387 50	
Birmingham, E. B.		360 00	
Bisaillon, John	382 50		
Disbursements	800 53		
		1,183 03	
<i>Carried forward</i>		7,653 25	164,972 37

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		7,653 25	164,972 37
<i>FIRE RANGING.—Continued.</i>			
Bisaillon, J. H.	980 00		
Disbursements	534 20		
		1,514 20	
Blaise, O.		375 00	
Bliss, L. E., Disbursements		449 80	
Blythell, J. R.		387 50	
Blondin, A.		237 50	
Boldt, A.		390 00	
Bolger, P. W.		282 50	
Bonter, S.		390 00	
Bookhout, H.		410 00	
Brasher, S. M.		382 50	
Breadon, L. M.		2 50	
Brazeau, O.		387 50	
Brozeau, X.		235 00	
Brozeau, A.		145 00	
Brooks, A.		455 00	
Brown, T. E.		372 50	
Brown, Thomas		387 50	
Bruce, George		382 50	
Bruce, J. D.		335 00	
Brunet, A.		395 00	
Brunner, Thomas		357 50	
Buchan, S.		360 00	
Buchanan, R. F.		362 50	
Burger, William		382 50	
Burden, John, Disbursements		85 65	
Burnham, H.		265 00	
Burns, W.		287 50	
Burns, Gordon		432 50	
Callighan, A.		607 50	
Campbell, D.		390 00	
Campbell, W.		367 50	
Campbell, F. A. A.		332 50	
Campbell, G. C.		117 50	
Campbell, S.		135 00	
Capps, S.		400 00	
Carr, S.		127 50	
Carruthers, R.		20 00	
Carnochan, G.		382 50	
Cassidy, J.	392 50		
Disbursements	1 50		
		394 00	
Cassidy, J. A.	392 50		
Disbursements	1 50		
		394 00	
Ceasar, H. P.		365 00	
Chambers, J. K.		110 00	
Chambers, Thomas		377 50	
Chapman, C. N.		360 00	
Charlton, T.		302 50	
Chenier, E.		375 00	
Chittick, W. J.		410 00	
Cochlan, E.		215 00	
Connolly, H. E.		382 50	
Coghlan, S. J.		367 50	
Coombs, F. H.		397 50	
Cousineau, A.		382 50	
<i>Carried forward</i>		25,815 90	164,972 37

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		25,815 90	164,972 37
<i>FIRE RANGING.—Continued.</i>			
Cousineau, Charles		360 00	
Coyne, Phin	548 00		
Disbursements	187 73		
		735 73	
Craigie, Herbert		357 50	
Crerar, J. A.		285 00	
Crompton, C. R. B.		292 50	
Cross, J. C. G.		77 50	
Cuyler, T. W.		380 00	
Davidson, Ira		392 50	
Davidson, L.		390 00	
Davies, J. Y.		45 00	
Dean, A.		402 50	
Dedine, Joel		365 00	
De LaRonde, D.		422 50	
Deschene, Ant.		405 00	
Dial, A. C.		312 50	
Dixon, J. H.		355 00	
Dougherty, E. A.		395 00	
Douglas, F. W.		382 50	
Donald, R.		360 00	
Dudgeon, J. T.		340 00	
Dugan, J. K.		387 50	
Dumas, A.		422 50	
Dunsmore, R. L.		340 00	
Dyson, W.		395 00	
Earl, R. O.		382 50	
East, W. J.		400 00	
Eilber, George		365 00	
Elliott, J.		545 00	
Evans, George		335 00	
Faries, R.		70 00	
Ferguson, George		212 50	
Ferguson, William		382 50	
Fisher, George		556 00	
Flett, N.		12 50	
Forsyth, W. W.		382 50	
Foster, E. G.		460 00	
Fraser, W. A.		395 00	
Fuller, E. W.		350 00	
Gagne, F.	905 00		
Disbursements	707 80		
		1,612 80	
Gale, J. W.		390 00	
Gammond, G.		360 00	
Gemmill, John		976 00	
Guilfoil, G.		365 00	
Gordon, W. J.		93 75	
Gordon, Thomas B.		20 00	
Gordon, H. V.		350 00	
Groulx, R.		360 00	
Guthrie, William		387 50	
Hand, Thomas		640 00	
Hardy, F.		425 00	
Harper, G.		207 50	
Hebert, L.		382 50	
<i>Carried forward</i>		45,835 18	164,972 37

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		45,835 18	164,972 37
FIRE RANGING.—Continued.			
Hector, A.	252 50		
Disbursements	5 80		
Hefferman, J. J.		258 30	
Henderson, C., Disbursements		385 00	
Higgins, Robert		43 50	
Higgins, D. G.		367 50	
Hindson, C.		382 50	
Hoggins, E. M.		7 66	
Hollis, John		322 50	
Hornick, George		350 00	
Humphrey, W.		382 50	
Hurtibuisse, A.		75 00	
Husband, A. C.		375 00	
Hutton, H. L.		320 00	
Ireton, Frank		72 50	
Irish, W. M.		200 00	
Irving, E.		377 50	
James, F.		317 50	
Johnston, George		437 50	
Jordan, W. H.		380 00	
Keenahan, M.		382 50	
Kiely, M.		357 50	
King, T.		360 00	
Kipplin, J.		212 50	
Kirby, D. F.		39 00	
Kirbyson, Henry		320 00	
Kirkpatrick, P.		352 50	
Kruger, A. P.		330 00	
Labelle, D.		382 50	
Lalonde, E.		117 00	
Lalonde, J. M.		370 00	
Lamarche, A.		130 00	
Langlois, E.		70 00	
Laurien, C.		185 00	
Laurien, J.		375 00	
Leblanc, A.		375 00	
Lee, J. B.	825 00	395 00	
Disbursements	265 59		
Levis, C.		1,090 59	
Levis, H.		25 00	
Locheed, R.		77 50	
Locke, Alton		382 50	
Long, H. E.	725 00	695 00	
Disbursements	421 59		
Lumsden, J. W.		1,146 59	
Lunan, M.		382 50	
Luton, R. L.		187 50	
Lynch-Peckham Co.		72 50	
MacDonald, S. C.		34 00	
Macdonnell, R. D.		77 00	
MacGillivray, E. F.		430 50	
Mackie, Thomas		44 00	
Margach, William, Disbursements		280 00	
Margach, J. A.		940 32	
		12 50	
<i>Carried forward</i>		61,521 14	164,972 37

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		61,521 14	164,972 37
<i>FIRE RANGING.—Continued.</i>			
Martin, E. H.		212 50	
May, H.	895 00		
Disbursements	72 22		
		967 22	
Menard, M.		325 00	
Merchant, J.		387 50	
Merchant, H.		387 50	
Michael, A.		422 50	
Miller, A. S.		360 00	
Mole, W. H.		297 50	
Monahan, P.		420 00	
Morand, L.		390 00	
Morin, John		382 50	
Muncer, W. G.		152 50	
Murdock, John		100 00	
McArthur, J. C.		380 00	
McCann, J. C.		210 00	
McClure, J. R.		327 50	
McColl, Arthur		67 00	
McCormick, R.		427 50	
McDonald, L. P.		355 00	
McDonald, J.		696 00	
McDonald, J.		335 00	
McDonald, T.		500 00	
McDonald, J. D.		137 50	
McDougall, J. T.		31 23	
McDougall, D. J.		375 00	
McFaul, L.		57 50	
McGregor, G. B.		415 00	
McIntyre, James		67 50	
McKenzie, R.	300 00		
Disbursements	11 45		
		311 45	
McKinnon, H.		347 50	
McKay, J.		180 00	
McLaren, W. A.		110 00	
McLaughlin, J.		365 00	
McMurray, J. J.		377 50	
McNabb, A.		295 00	
McNally, A.		395 00	
McRae, D. A.		380 00	
McTavish, M.		285 00	
Nadon, A.		152 50	
Nadon, D.		337 50	
Neelon, G. M.		317 50	
Newburn, William		740 00	
Newell, John		357 50	
Newhouse, A.		290 00	
Newmuller, A.		350 00	
Nicholson, J.		345 00	
Nundy, George		355 00	
O'Boyle Bros. Construction Co.		20 00	
Oliver, J. A., Disbursements		72 74	
O'Malley, D.		425 00	
Onegut, J.		417 50	
Orr, A.		25 00	
<i>Carried forward</i>		77,959 28	164,972 37

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		77,959 28	164,972 37
<i>FIRE RANGING.—Continued.</i>			
Ouelette, F.		382 50	
Palquin, N.		375 00	
Phead, D.		75 00	
Philip, T.		382 50	
Pigeon, C.		377 50	
Philon, X.		375 00	
Pingle, A.		387 50	
Poulin, N.		375 00	
Prestley, J.		137 50	
Preston, I. E.		387 50	
Prevost, D.		425 00	
Price, P. R.		332 50	
Pronger, J. F.		75 00	
Proulx, A.		387 50	
Quilty, J. J.		345 00	
Quinn, J. J.		377 50	
Reynolds, N.		382 50	
Richardson, E. S.		357 50	
Ridley, John		282 50	
Robinson, P.		435 00	
Rochfort, A.		382 50	
Rochon, Joseph		70 00	
Rodden, M. J.		445 00	
Rusk, O.	616 00		
Disbursements	398 36		
		1,014 36	
Russell, A.		342 50	
Ryan, Thomas		177 50	
Sanderson, F.		170 00	
Sauvie, John		275 00	
Savard, A.		395 00	
Sawyers, W. L.		342 50	
Schrenk, N.		360 00	
Scott, Robert		600 00	
Shabwawekesick, A.		22 50	
Shabwawekesick, J.		20 00	
Shabwawekesick, S.		10 00	
Shields, F.		317 50	
Shilling, H.		430 00	
Shipman, G. W.		337 50	
Silver, William		140 00	
Simpson, A.		831 20	
Simpson, J. B.		280 00	
Simpson, William		352 50	
Sikes, James		72 00	
Smith, E. J.		342 50	
Spence, E. J.		377 50	
Spillet, J. J.		367 50	
Spillet, A.		382 50	
Statthem, Henry		370 00	
Stewart, C.		317 50	
Storey, V.		272 50	
Storey, W. E.		382 50	
Strain, J.		342 50	
Stovin, J. T.		380 00	
Sullivan, J., Sr.		387 50	
Sullivan, J., Jr.		387 50	
Sullivan, Joseph		207 50	
<i>Carried forward</i>		96,519 34	164,972 37

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		96,519 34	164,972 37
FIRE RANGING.—Concluded.			
Sutherland, A.		307 50	
Sweltzer, S.		75 00	
Swinston, Charles		355 00	
Sykes, G. F.		212 50	
Taylor, E. H.		7 50	
Thayer, W. I.		452 00	
Tribert, P.		385 00	
Thompson, G. S.	600 00		
Disbursements	540 19		
		1,140 10	
Thompson, J. C.		225 00	
Townsend, E.		362 50	
Travis, T. H.		425 00	
Tremblay, A.		392 50	
Trembley, E.		382 50	
Twigg, J. F.		360 00	
Urquhart, A.		548 00	
Valentine, D.		455 00	
Vivaris, D.		70 00	
Ward, W. D.		380 00	
Watson, M. S.		375 00	
Watts, George, Disbursements		98 96	
Wendt-Wriedt, A. J. P.		387 50	
West, Walter		260 00	
Westman, L. E.		262 50	
Whiteoak, D.		387 50	
Whytock, H. W.		382 50	
Williams, E. L.		382 50	
Williams, R. E.		380 00	
Williams, J.		150 00	
Wilkins, G. N.		556 00	
Winn, P.		407 50	
Wood, H. C.		375 00	
Wood, L.		342 50	
Woodcock, G.		412 50	
Woodseller, J. H.		357 50	
Wright, H. H.		380 00	
Wright, J. J.		387 50	
Yealland, E. R.		382 50	
Young, R.		390 00	
			110,111 90
FOREST RESERVES			
<i>Temagami Reserve—\$44,620.84.</i>			
Allan, W. R.		2 50	
Asslestine, William		367 50	
Aubut, William		465 00	
Bailey, S. J.		342 50	
Barr, James		790 00	
Barrett, Thomas	765 00		
Disbursements	75 24		
		840 24	
Bissette, Joseph		365 00	
Breadon, L. H. N.		365 00	
Brisbois, P.		360 00	
<i>Carried forward</i>		3,897 74	275,084 27

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		3,897 74	275,084 27
<i>FOREST RESERVES.—Continued.</i>			
<i>Temagami Reserve.—Continued.</i>			
Butcher, G. C.		362 50	
Butler, F. B.		360 00	
Caskenett, F.		345 00	
Cayen, F. B.		247 50	
Chanier, H.		360 00	
Chauvin, J. C.		207 50	
Chase, Joseph		387 50	
Coatsworth, W. B.		347 50	
Cosh, R. F.		135 00	
Coombs, W.		2 50	
Crashley, W. T.		352 50	
Dambremont, F.		380 00	
Davidson, R. D.		365 00	
Desrosiers, J.		367 50	
Douissette, T.		195 03	
Downs, G.		340 00	
Duff, H. D.		370 00	
Duff, J. H.		367 50	
Earnshaw, P.		365 00	
Enright, T. J.		350 00	
Faries, R.		1,064 00	
Forsyth, G. O.		347 50	
Fraser, D. A.		357 50	
Gadsby, H. G.		362 50	
Garnham, W. H.		387 50	
Gardner, C. A.		360 00	
Greene, M. A.		337 50	
Grenier, J.		360 00	
Griffiths, R. G.		337 50	
Gordon, T. V.		180 00	
Hamilton, J. E.		360 00	
Harbottle, W. T.		340 00	
Harrison, J. W.		382 50	
Hawley, D. J.		147 50	
Hayden, G. F.		352 50	
Henderson, C.		11 00	
Higley, C. E.		352 50	
Hillier, J. H. B.		345 00	
Higgins, L. T.		367 50	
Hindson, C.	1,300 00		
Disbursements	273 00		
		1,573 00	
Holland, A. G.		302 50	
Holland, B. J.		362 50	
Hughes, F. G.		367 50	
James, J.		2 50	
Jocko, J.		360 00	
Keenan, J. T.		340 00	
Kelso, R. F.		360 00	
King, C. L.		347 50	
Knox, J. E.		297 50	
Lamarche, A.		920 00	
Latouree, J.		360 00	
LeBlanc, O.		365 00	
Mackenzie, C. H.		365 00	
Maloney, A.		110 00	
<i>Carried forward</i>		23,290 74	275,084 27

Appendix No. 6.—Continued.

Service.	\$ c.	\$	\$ c.
<i>Brought forward</i>		23,290 74	275,084 27
<i>FOREST RESERVES.—Continued.</i>			
<i>Temagami Reserve.—Continued.</i>			
Maynard, J. C.		287 50	
Menard, E.		175 00	
Montfort, F.		145 00	
Montgomery, A.		492 50	
Moore, C. A.		350 00	
Mundl, F.		372 50	
Murphy, Peter		365 00	
McCrea, E.		180 00	
McCullough, D. G.		340 00	
McElroy, H.		355 00	
McGregor, P.		575 00	
McLaughlin, J.		27 50	
McLeod, J. D.		350 00	
McNaughton, F. D.	216 03		
Disbursements	13 80		
		229 80	
McNeil, E. H.		367 50	
McPhee, D.		327 50	
McPhee, H. A.		337 50	
Nadon, P.		372 50	
Nell, W. C.		372 50	
Nicholas, H.		365 00	
O'Connor, J.		7 50	
O'Neil, M. S.		357 50	
Pechoski, J.		360 00	
Petrant, William		415 00	
Potvin, A.		267 50	
Prudhomme, Ad.		445 00	
Quesnell, F.		197 50	
Ranger, A.		365 00	
Ranger, P.		400 00	
Raymond, A.		342 50	
Reesor, George		2 50	
Rochon, F.		367 50	
Rochon, J.		920 00	
Rodgers, W.		355 00	
Rogers, G. S.		335 00	
Scott, E. H.		352 50	
Shelson, H.		350 00	
Stevenson, L.		332 50	
Spence, W. J.		347 50	
Speers, A. J.		347 50	
Stark, C. C.		365 00	
Stewart, J. A.		365 00	
Sutton, Fred		347 50	
Sweeney, D.		5 00	
Thompson, Thomas		357 50	
Turner, J.		420 00	
Valois, P.		367 50	
Valois, S.		367 50	
Vivaris, D.		920 00	
Vivaris, M.		372 50	
Wagner, H. W.		357 50	
Wallace, F.		370 00	
Warren, F.		347 50	
Washburn, B. L.		330 00	
<i>Carried forward</i>		41,838 04	275,084 27

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		41,838 04	275,084 27
<i>FOREST RESERVES.—Continued.</i>			
<i>Temagami Reserve—Concluded.</i>			
Wilcox, G. A.		352 50	
Williams, C.		360 00	
Williams, Fred		295 00	
Wison, H. P.		357 50	
Wodehouse, R. P.		207 50	
Wright, R. M.		365 00	
Young, R. J.	796 00		
Disbursements	49 30		
		845 30	
<i>Metagami Reserve.—\$8,325.29.</i>			
Adams, G.		345 00	
Ainslie, D.		365 00	
Alley, H. R.		327 50	
Bertrand, A.		365 00	
Brewster, H. S.		327 50	
Burden, John	612 00		
Disbursements	473 29		
		1,085 29	
Chambers, E. V.		382 50	
Eveline, A.		400 00	
Eveline, J. M.		400 00	
Farley, J.		447 50	
Fraser, E. E.		297 50	
Groulx, E.		360 00	
Harris, R. J.		330 00	
Lower, A. R. M.		325 00	
Macauley, A. F.		372 50	
Nelson, P. A.		377 50	
Noble, C. V.		372 50	
Poisson, A.		375 00	
Reid, J.		400 00	
Saunders, C. A.		372 50	
Stratford, A. H.		297 50	
<i>Mississaga Reserve.—\$8,915.39.</i>			
Albright, E. J.		240 00	
Albright, L.		372 50	
Arnill, L.		345 00	
Bicknell, R. R.		367 50	
Bothwell, G. E.		335 00	
Boyd, W. J.		335 00	
Burden, William		310 00	
Dewar, E. H.		232 50	
Dobson, H. E.		367 50	
Duval, C. A.	728 00		
Disbursements	479 89		
		1,207 89	
Dyson, I.		362 50	
Easton, L. C.		335 00	
Graham, S. W.		117 50	
Greer, John		117 50	
Lucas, J. F.		302 50	
Luke, A.		137 50	
McCaw, J. E.		162 50	
<i>Carried forward</i>		58,594 02	275,084 27

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		58,594 02	275,084 27
<i>FOREST RESERVES.—Continued.</i>			
<i>Mississauga Reserve.—Concluded.</i>			
McDougall, D.		392 50	
McKenzie, W. L.		190 00	
Miller, J. W.		257 50	
Omelia, H. S.		322 50	
Price, H. S.		357 50	
Stephens, A.		330 00	
Thomas, E. G.		365 00	
Tillson, L. B.		317 50	
Wheeler, J. A.		367 50	
Wismer, H.		367 50	
<i>Nepigon Reserve.—\$10,556.69.</i>			
Allan, W. N.		417 50	
Blair, H.		255 00	
Bliss, L. E.	890 00		
Disbursements	1,017 95		
		1,907 95	
Bothwell, G.		2 50	
Bouchard, J.		402 50	
Bouchard, N.		117 50	
Cook, K. E.		2 50	
Davies, E. L.		377 50	
Day, O.		325 00	
DeLaronde, C.		10 00	
Ferris, R. H.		380 00	
Judge, S.		427 50	
Kinnear, A. R.		335 00	
Kerr, A.		437 50	
Lampshire, H.		147 50	
Leitch, P. A.	312 00		
Disbursements	569 24		
		881 24	
Lucas, F.		5 00	
McGowan, T.		307 50	
McGloughlin, W. B.		381 25	
McIntyre, J. S.		392 50	
McQuay, R. W.		97 50	
Montgomery, R. L.		376 25	
Noxon, S. C.		227 50	
Ritchie, W.		77 50	
Robinson, W. C.		370 00	
Rose, J.		437 50	
Scott, H.		77 50	
Scott, R. R.		377 50	
Smith, J. R.		235 00	
Sutherland, F. B.		375 00	
Sutor, F. J.		387 50	
Wagner, N.		5 00	
<i>Eastern Reserve.—\$1,699.87.</i>			
Bishop, H.		382 50	
Gilmour, J.		382 50	
Tapping, Thomas	400 00		
Disbursements	152 37		
		552 37	
Watkins, R.		382 50	
<i>Carried forward</i>		74,118 08	275,084 27

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		74,118 08	275,084 27
FOREST RESERVES.—Concluded.			
<i>Sibley Reserve.—\$630.00.</i>			
Cross, J. G.		245 00	
Oliver, J. A.		100 00	
Smeltzer, S.		285 00	
<i>Quetico Reserve.—\$5,840.82.</i>			
Cox, A.		347 50	
Crawford, E. J.		365 00	
Darby, W.		365 00	
Darlington, E.		365 00	
Fraser, G.		365 00	
Hempshire, F.		347 50	
Henry, A.		365 00	
Johnston, R.		365 00	
Kates, G.		365 00	
Musleman, William		365 00	
Readman, R.		584 00	
Todd, C. C.		365 00	
Wall, G.		365 00	
Wall, S.		365 00	
Watts, George Disbursements		546 82	
			80,588 90
MINES AND MINING.			
Müller, G. W. Provincial Geologist, services.....	4,250 00		
Disbursements	486 10		
		4,736 10	
Mickle, G. R., Mine Assessor, services.....	4,000 00		
Disbursements	759 31		
		4,759 31	
Price, S., Mining Commissioner, services.....	3,200 00		
Disbursements	1,333 45		
Dance, R. W., services	827 50		
Disbursements	547 10		
		5,908 05	
Corkill, E. T., Inspector of Mines, services.....	2,300 00		
Disbursements	1,138 80		
		3,438 80	
Sutherland, T. F., Assistant Inspector of Mines, services.	875 00		
Disbursements	524 45		
		1,399 45	
Knight, C. W., Assistant Geologist, services.....	2,000 00		
Disbursements	580 91		
		2,580 91	
			22,822 62
EXPLORATIONS AND INVESTIGATIONS.			
Baker, M. B., Disbursements		27 30	
Bowen, N. L., Disbursements		21 30	
Bruce, E. L.	415 39		
Disbursements	44 20		
		459 59	
Burrows, A. G.	1,900 00		
Disbursements	750 16		
		2,650 16	
<i>Carried forward</i>		3,158 35	378,495 79

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		3,158,35	378,495 79
<i>EXPLORATIONS AND INVESTIGATIONS.—Concluded.</i>			
Firth, Thomas		35 88	
Harcourt, R. Disbursements		21 00	
Hopkins, P. E.	507 70		
Disbursements	16 90		
McArthur, T. A. Disbursements		524 60	
Moore, E. S.	12 00	383 93	
Disbursements	7 84		
Mahaffy, A. F.		19 84	
Knight Bros. & McKinnon, Geological building...		337 49	
Parsons, A. L.	485 58	418 00	
Disbursements	629 73		
Freeman, D.		1,115 31	
Robinson, A. H. A.	1,000 00	288 47	
Disbursements	375 05		
Rogers, W. R.	1,725 00	1,375 05	
Disbursements	337 32		
Rothwell, T. E. Disbursements		2,062 32	
Sharpe, D.	657 40	13 55	
Disbursements	359 65		
Scott, John	600 00	1,017 05	
Disbursements	223 20		
Smith, R. M.		823 20	
Stewart, R. D.	150 00	305 00	
Disbursements	164 26		
<i>MINING RECORDERS.</i>		314 26	12,213 30
Bowker, S. T.	950 00		
Disbursements	307 69		
Bruce, A. E. D., Recorder	1,326 60	1,257 69	
Millard, C. S., Clerk	1,125 96		
Graham, F. W., Clerk	1,022 08		
Gray, J. B., Clerk	17 30		
Dowsley, G. W., Clerk	435 57		
Jamieson, Mrs. E. F., Stenographer	45 00		
Welsh, Mrs. M., Stenographer	142 69		
Clarke, W. K., Clerk	519 99		
Keenan, H. F., Clerk	572 30		
Gordon, T. S., Clerk	35 00		
O'Brien, J. D., Clerk	250 76		
Disbursements	1,557 61	7,050 86	
Campbell, C. A., Recorder	750 00		
Washburn, H., Clerk	587 30		
Glazier, M. B., Clerk	76 15		
Young, Miss E., Stenographer	456 54		
Disbursements	334 40	2,204 39	
Hough, J. A., Recorder	1,200 00		
Browning, A. J., Clerk	900 00		
<i>Carried forward</i>		10,512 94	390,709 09

Appendix No. 6.—Continued.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		10,512 94	390,709 09
MINING RECORDERS.— <i>Concluded.</i>			
Keenan, H. F., Clerk	100 96		
Glazier, M. B., Clerk	671 53		
Disbursements	489 14	3,311 63	
McArthur, T. A., Recorder	300 00		
Disbursements	107 00		
McLaren, Kate, Stenographer	120 00		
		527 00	
McArthur, T. A., Salary as Inspector for 9 months		900 00	
McQuire, H. F., Recorder	500 00		
Disbursements	143 80		
		643 80	
Morgan, J. W., Recorder	950 00		
Disbursements	319 93		
		1,269 93	
Sheppard, H. E., Recorder	1,000 00		
Gordon, T. C., Clerk	1,080 00		
Keenan, H. F., Clerk	340 37		
Glazier, M. B., Clerk	93 46		
Disbursements	300 60		
		2,814 43	
Skill, A. Recorder	1,200 00		
Glazier, M. B., Clerk	318 46		
Disbursements	227 85		
		1,746 31	
Smith, G. T. Recorder	2,300 00		
Meagher, T. J., Clerk	900 00		
Sarsfield, J. M., Clerk	1,100 00		
Munroe, Eva L., Stenographer	720 00		
Smith, Miss M. H., Stenographer	480 00		
Ferguson, L. H., Clerk	912 50		
Smith, G. L., Clerk	162 00		
Disbursements	2,521 72		
		9,096 22	
Spry W. L., Recorder	600 00		
Disbursements	96 75		
		696 75	
Dominion Express Company	266 02		
King's Printer	913 23		
Methodist Book Room	33 80		
Harcourt, E. H., Co.	72 31		
		1,285 36	
			32,804 37
PROVINCIAL ASSAY OFFICE.			
Turner N. L.	1,200 00		
Disbursements	407 54		
		1,607 54	
Rothwell, T. E.	1,000 00		
Disbursements	102 55		
		1,102 55	
Disbursements		338 90	
Supplies		573 02	
			3,622 01
<i>Carried forward</i>			427,135 47

Appendix No. 6.—Continued.

Service.	\$	c.	\$	c.	\$	c.
<i>Brought forward</i>					427,135	47
CULLERS' ACT.						
Oliver, J. A., Disbursements			6	75		
Margach, Wm., Disbursements			26	15		
McDougall, J. T., Disbursements			2	35		
Watts, George, Disbursements			2	75		
Meelor, C., Services			4	00		
McLeod, D., Services			5	50		
Livery			68	25		
Advertising			20	20		
Floyd, Wm., Rent of tables			5	00		
Town of Fort Frances, Rent of hall			5	00		
					145	95
SURVEYS					167,428	64
BOARD OF SURVEYORS					200	00
CONTINGENCIES.						
<i>Departmental.</i>						
Printing and Binding	4,335	38				
Stationery	4,610	28				
			8,945	66		
Postage	1,939	51				
Express	407	45				
			2,346	96		
Telegraphing	600	85				
Bell Telephone Company	66	20				
Car Fare	70	00				
			737	05		
Subscriptions	289	45				
Advertising	4,417	49				
			4,706	94		
Typewriters, rent and repairs			412	00		
White, A., Travelling expenses	58	45				
Whitson, J. F., Travelling expenses	343	64				
Rorke, L. V., Travelling expenses	364	35				
Yates, G. W., Travelling expenses	5	15				
			771	59		
Extra Clerks	2,898	46				
Sundries	80	01				
			2,978	47		
					20,898	67
BUREAU OF MINES.						
Printing and Binding	5,421	59				
Stationery	1,616	52				
			7,038	11		
Telegraphing	206	06				
Express and Cartage	75	40				
Advertising	668	75				
Subscriptions	235	35				
Postage	490	00				
			1,675	56		
Gibson, T. W., Travelling expenses	100	50				
Whitson, J. F., Travelling expenses	51	30				
			151	80		
Typewriters, rent and repairs	110	95				
Bell Telephone Company	30	40				
			141	35		
					9,006	82
					615,808	72

Appendix No. 6.—Concluded.

Service.	\$ c.	\$ c.	\$ c.
<i>Brought forward</i>		9,006 82	615,808 73
<i>BUREAU OF MINES.—Concluded.</i>			
Extra Clerks		119 49	
Nicholas, F. J., Preparing index	96 50		
Determination of Leases	2,055 86		
Legal Fees	118 01		
Sundries	636 30		
		2,906 67	
SPECIAL SERVICES AND UNFORESEEN EXPENSES.			12,032 98
McNeill, W. K., Services			
Disbursements re Toronto Exhibition			
		195 00	
		1,321 67	
UNFORESEEN AND UNPROVIDED.			1,516 67
Funeral Expenses of N. L. Jones, Forest Reserves		53 50	
Funeral Expenses of F. Ireton, Fire Ranger.....		90 00	
Funeral Expenses of Donald Ross, Clerk in Department		52 40	
Wright, P. J., Refund Cullers Fee.....		4 00	
McIntosh, H. D., Refund Cullers Fee.....		4 00	
White, A., Special Services		250 00	
			453 90
REFUNDS			20,546 54
			650,358 82

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister, Lands and Forests.

Appendix No. 7.

Statement of Expenses on account of various services under the direction of the Department of Lands, Forests and Mines for the year ending October 31st, 1911.

Service.	\$ c.	\$ c.
ALGONQUIN PARK		18,044 89
RONDEAU PARK		2,640 36
VETERANS COMMUTATION		1,050 00
<i>Bounty Act VII., Edward VII., Cap. 14.</i>		
Deloro Mining Reduction Company.....	140 09	
Coniagas Reduction Company.....	421 32	
		561 41
		<u>\$22,296 66</u>

D. GEO. ROSS,
Accountant.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 8.

WOODS AND FORESTS.

Statement of revenue collected during the year ending October 31st, 1911.

	\$ c.
Amount of Western collections at Department.....	1,596,520 65
do Belleville collections.....	19,461 67
do Ottawa collections.....	95,456 55
	<u>\$1,711,438 87</u>

J. A. G. CROZIER,
Chief Clerk in Charge.

AUBREY WHITE,
Deputy Minister.

Appendix No. 9.

PATENTS BRANCH.

Statement of Patents, etc., issued by the Patents Branch from 1st November, 1910, to
31st October, 1911.

Crown Lands	851
School do	22
Mining do	687
Public do (late Clergy Reserves).....	16
Free Grant Lands (A. A.).....	117
do (Act of 1880).....	439
Mining Leases	244
Licenses of Occupation.....	36
Crown Leases.....	25
Crown Lands (University)	21
Free Grant, Act of 1901 (Veterans)	675
Temagami Islands	3
Rondeau Leases	1
Pine.....	1
Total	3138

CHARLES S. JONES.
Chief Clerk.

AUBREY WHITE,
Deputy Minister.

Appendix

WOODS AND

Statement of Timber and Amounts accrued from Timber Dues, Ground

QUANTITY AND

Agencies.	Area covered by timber license.	Saw logs.			
		Pine.		Other.	
	Square miles.	Pieces.	Feet B.M.	Pieces.	Feet B.M.
Western Timber District.....	12,953 $\frac{1}{4}$	10,827,755	464,040,275	1,435,747	54,295,082
Belleville Timber District.....	1,016 $\frac{1}{2}$	361,941	10,305,935	248,085	8,826,378
Ottawa Timber District.....	5,380	1,535,284	76,082,079	530,070	19,547,926
	19,349 $\frac{3}{4}$	12,724,980	550,428,289	2,213,902	82,669,386

General Statement

Agencies.	Cordwood.		Tan Bark.	Railway ties.	Posts.	Poles.	Stave Bolts.	Shingle Blocks.	Pulpwood.
	Hard.	Soft.							
	Cords.	Cords.							
Western Timber District.....	22,029	34,995	16,414	4,257,445	139	3,667	6,973	12	82,739
Belleville Timber District.....	127	72	156	7,674	328	1,140	.....	.....	201
Ottawa Timber District.....	.....	1,663	.....	5,713	248	10,144	.....	.....	7,786
	22,156	36,730	16,570	4,270,832	715	14,951	6,973	12	90,726

J. A. G. CROZIER,
Chief Clerk in Charge

No. 10.

FORESTS.

Rent and Bonus during the year ending 31st October, 1911.

DESCRIPTION OF TIMBER.

Boom and Dimension.				Square Timber.		Piling.	
Pine.		Other.		Pine.		Spruce.	
Pieces.	Feet B.M.	Pieces.	Feet B.M.	Pieces.	Cubic feet.	Pieces.	Feet B. M.
221,701	23,673,569	59,507	7,925,920	12,927	552,876	2,750	248,053
3,095	427,866	3,726	723,646	.....	.....	.....	.....
31,059	3,067,553	18,405	1,897,056	75	2,693	.....	.....
255,855	27,168,988	81,638	10,546,622	13,002	555,569	2,750	248,053

of Timber.—Concluded.

Amounts accrued.

Transfer bonus.	Interest.	Trespass.	Timber dues.	Bonus.	Deposits timber sales 1911.	Ground rent.	Total.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,490 35	9,491 38	22,187 13	1,196,054 32	582,891 67	54,802 17	68,574 00	1,940,491 02
230 00	27 55	4,887 77	23,318 10	.....	.....	5,330 00	33,793 42
390 00	675 82	4,580 71	141,414 17	.....	.....	29,913 00	176,973 70
7,110 35	10,194 75	31,655 61	1,360,786 59	582,891 67	54,802 17	103,817 00	2,151,258 14

AUBREY WHITE,
Deputy Minister.

Appendix No. 11.

Statement of the work done in the Military Branch of the Department of Lands, Forests and Mines, during the year ending the 31st October, 1911.

Letters received.....	5,750
Letters written.....	6,673
Maps supplied to Veterans.....	2,650
Location Certificates issued.....	43
Locations made.....	237
Surrenders.....	21
References for Patents issued.....	674
Locations cancelled for non-compliance with the regulations.....	9

R. H. BROWNE,

Chief Clerk in Charge.

AUBREY WHITE,

Deputy Minister.

Appendix No. 12.

Statement of the number of Letters received and mailed by the Department in 1909, 1909-10 and 1910-11.

Year,	Letters received.					Names indexed.	Orders-in-Council.	Returned letters.	Letters, circulars and reports mailed from Department.
	Sales and Free Grants.	Surveys.	Woods and Forests.	Mines.	Totals.				
1909 (10 months).	19,500	16,016	9,086	8,398	53,000	59,400	178	72	62,800
1909-10.	23,700	18,290	9,752	8,498	60,240	67,210	201	81	69,400
new fiscal year.									
1910-11.	24,705	14,478	9,212	8,220	56,615	63,200	180	94	67,150

FRANK YEIGH,

Registrar,

AUBREY WHITE,

Deputy Minister.

Appendix No. 13.

Statement showing the number of Locatees and of acres located; of purchasers and of acres sold; of lots resumed for non-performance of the settlement duties and of patents issued under "The Free Grants and Homesteads Act" during the year ending 31st October, 1911.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Baxter	Muskoka.	J. B. Brown, Bracebridge...	.....	.....	1	18	.....	2
Brunel .....	"	"	.....	.....	.....	.....	.....	3
Cardwell	"	"	4	600	.....	.....	5	5
Chaffey .....	"	"	.....	.....	.....	.....	.....	1
Draper	"	"	1	100	.....	.....	1	1
Franklin	"	"	3	314	5	204	2	8
Freeman	"	"	9	1,353	10	303	2	11
Macaulay	"	"	3	298	.....	.....	3	.....
Medora .....	"	"	.....	.....	1	15½	.....	1
Monck .....	"	"	.....	.....	.....	.....	.....	.....
Morrison	"	"	7	827	9	61	9	11
Muskoka	"	"	1	100	.....	.....	1	1
McLean	"	"	3	298	.....	.....	4	6
Oakley	"	"	10	1,505	2	123	7	5
Ridout	"	"	4	664	1	7½	3	3
Ryde	"	"	2	400	.....	.....	2	1
Sherborne	Haliburton ...	"	8	801	.....	.....	4	.....
Sinclair	Muskoka	"	8	1,330	2	215	6	10
Stephenson	"	"	1	100	.....	.....	1	.....
Stisted	"	"	1	100	.....	.....	1	3
Watt	"	"	3	351	.....	.....	3	2
Wood	"	"	4	630	8	69	4	14
Burpee	Parry Sound..	F. R. Powell, Parry Sound..	1	206	1	46	.....	3
Carling	"	"	14	1,988	8	131	8	7
Christie	"	"	7	871	.....	.....	3	2
Conger	"	"	8	1,072	1	2½	6	5
Cowper .....	"	"	.....	.....	2	76	.....	2
Ferguson .....	"	"	.....	.....	1	5	.....	1
Foley	"	"	1	100	1	7	.....	4
Hagerman .....	"	"	.....	.....	2	164	1	2
Harrison	"	"	1	222½	10	84	.....	23
Humphrey	"	"	1	190	.....	.....	1	1
McConkey .....	"	"	.....	.....	4	121	.....	.....
McDougall	"	"	1	111	.....	.....	.....	1
McKellar	"	"	3	292	.....	.....	1	.....
McKenzie .....	"	"	.....	.....	2	111	1	2
Monteith	"	"	7	1,140	3	19	2	4
Shawanaga	"	"	2	343	2	19	2	5
Wilson .....	"	"	.....	.....	.....	.....	.....	2
Chapman	Parry Sound .	Dr. J. S. Freeborn, Magnet- awan.	5	517	.....	.....	7	6
Croft .....	"	"	.....	.....	1	32	.....	11
Ferrie .....	"	"	.....	.....	.....	.....	.....	.....
Gurd	"	"	1	202	5	486	.....	3
Lount	"	"	2	293	1	3	2	4
Machar	"	"	4	512	1	38	4	4
Mills	"	"	1	100	.....	.....	.....	.....
Pringle	"	"	1	100	1	100	.....	1

Appendix No. 13.—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Ryerson.....	Parry Sound..	Dr. J. S. Freeborn, Magnet- awan.	3	445	...	...	3	3
Spence	"	" " "	6	840	...	...	4	5
Strong	"	" " "	2	292	...	...	1	5
Armour	Parry Sound..	W. Jenkin, Emsdale.	7	887	...	...	7	4
Bethune	"	" " "	7	997	1	4	6	3
Joly	"	" " "	3	584	4	409	...	5
McMurrich...	"	" " "	5	508	2	22	3	8
Perry .....	"	" " "	...	...	...	...	...	4
Proudfoot....	"	" " "	1	200	...	...	1	5
Hardy	Parry Sound..	H. J. Ellis, Powassan.. ....	...	...	...	...	...	...
Himsworth ..	"	" " "	15	2,261	1	21	11	9
Laurier	"	" " "	1	100	...	...	1	7
Nipissing....	"	" " "	3	303	1	1	1	4
Patterson....	"	" " "	1	194	1	5½	...	2
Bonfield....	Nipissing	W. J. Parsons, North Bay... ..	9	1,060	...	...	4	2
Boulter (pt) ..	"	" " "	...	...	...	...	...	...
Chisholm	"	" " "	15	1,981	3	182	7	8
Ferris	"	" " "	16	1,436½	...	...	11	6
Anson	Haliburton ...	R. H. Baker, Minden.....	1	230	...	...	2	...
Glamorgan ..	"	" " "	13	1,591	...	...	5	1
Hindon	"	" " "	2	251	...	...	1	...
Lutterworth..	"	" " "	6	654	...	...	2	...
Minden	"	" " "	3	285	...	...	4	4
Snowdon	"	" " "	6	784	...	...	4	2
Stanhope	"	" " "	7	551	...	...	8	1
Anstruther...	Peterboro' .	William Hales, Apsley	1	85	...	...	1	1
Burleigh, N.D.	"	" " "	1	81	...	...	1	...
" S.D.	"	" " "	...	...	1	2	...	...
Chandos .....	"	" " "	...	...	...	...	...	...
Methuen	"	" " "	1	100	...	...	...	1
Cardiff.....	Haliburton ...	James Wilson, Kinmount... ..	5	737	...	...	4	1
Cavendish....	Peterboro'....	" " "	1	103	...	...	...	1
Galway	Peterboro'....	" " "	2	199	...	...	2	...
Monmouth ...	Haliburton ...	" " "	13	1,489	...	...	10	3
Bangor	Hastings	J. R. Tait, L'Amable.....	3	384	...	...	...	...
Carlow	"	" " "	3	391	1	5	3	1
Cashel .....	"	" " "	...	...	...	...	...	1
Dungannon ..	"	" " "	1	97	...	...	1	...
Faraday	"	" " "	3	283	...	...	2	5
Herschel	"	" " "	13	1,440½	...	...	5	1
Limerick.....	"	" " "	1	134	...	...	1	5
Mayo .....	"	" " "	...	...	...	...	...	7
Monteagle ..	"	" " "	7	740	...	...	4	6
McClure	"	" " "	7	654	2	39	...	5
Wicklow	"	" " "	5	570	...	...	2	4
Wollaston....	"	" " "	1	100	1	20	1	2
Algona, S.....	Renfrew	Adam Prince, Wilno.....	2	200	...	...	...	1
Brougham ...	"	" " "	13	1,803	...	...	...	5
Brudenell ...	"	" " "	5	497	...	...	2	1

Appendix No. 13.—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Burns	Renfrew	Adam Prince, Wilno.....	10	999	1	37	8	...
Grattan	"	"	4	409	4	166	1	6
Griffith	"	"	1	191	...	...	...	...
Hagarty	"	"	2	167½	...	...	2	3
Jones	"	"	2	200	1	4	2	1
Lyell	Nipissing	"	7	1,182	4	29	4	7
Lyndoch	Renfrew	"	12	1,482	1	3½	4	13
Matawatchan.	"	"	1	100	...	...	...	1
Radcliffe	"	"	4	383	1	4	1	1
Raglan	"	"	8	876	1	50	4	6
Richards	"	"	4	287	...	...	3	1
Sebastopol .....	"	"	...	...	...	...	...	1
Sherwood	"	"	4	419	...	...	...	5
Algona, N....	Renfrew	D. B. Warren, Pembroke....	2	200	...	...	2	...
Alice	"	"	2	200	...	...	2	...
Buchanan (pt)	"	"	2	267	...	...	1	2
Fraser	"	"	3	219	2	127	...	4
Head .....	"	"	...	...	2	262	...	...
Maria .....	"	"	...	...	...	...	...	1
McKay (pt) ..	"	"	...	...	...	...	...	...
Petawawa ...	"	"	1	100	8	227	1	2
Rolph	"	"	3	290	...	...	3	6
Wilberforce ..	"	"	1	100	...	...	...	2
Wylie (pt)....	"	"	2	182	...	...	1	...
Calvin	Nipissing	Robert Small, Mattawa. . .	4	401	...	...	2	2
Cameron (pt).	"	"	3	388	...	...	1	2
Lauder .....	"	"	...	...	...	...	...	1
Mattawan....	"	"	3	292	...	...	2	...
Papineau	"	"	4	445	1	50	4	6
Korah	Algoma	B. J. Rothwell, Sault Ste.	...	...	...	...	...	2
Parke.....	"	" " Marie	...	...	...	...	...	1
Prince.....	"	"	2	294	...	...	2	7
Aberdeen	Algoma	Thos. Buchanan, Thessalon.	3	528½	1	80	1	3
" add.	"	"	...	...	...	...	...	...
Galbraith....	"	"	4	640½	...	...	...	3
Lefroy .....	"	"	...	...	...	...	...	...
Plummer	"	"	2	320	...	...	1	...
" add.	"	"	...	...	...	...	...	...
St. Joseph Is'd	Algoma	W. E. Whybourne, Marksville	9	906	...	...	9	7
" " Channel Is'd	"	"	...	...	1	10	...	...
Merritt.....	Algoma	R. J. Byers, Massey	2	250½	2	139	...	4
Blake.....	Thunder Bay.	W. A. Burrows, Port Arthur	14	2,162	3	400	5	5
Conmee	"	"	21	3,285	4	530	26	15
Crooks	"	"	12	2,040	5	494	5	1
Dawson Road.	"	"	28	2,953	2	77	99	1
Dorion	"	"	7	1,105	5	628½	6	8
Gillies	"	"	10	1,566½	1	150½	5	6
Gorham.....	"	"	36	5,048	20	957	31	6
Lybster	"	"	11	1,627½	3	285½	7	15
Marks.....	"	"	15	2,369	5	321½	31	1

Appendix No. 13.—Continued.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
McGregor	Thunder Bay .	W. A. Burrows, Port Arthur	13	2,068	...	...	8	7
McIntyre	"	"	8	1,183	2	3	7	13
O'Connor....	"	"	14	2,178	1	160	14	13
Oliver.....	"	"	16	2,568	3	7 $\frac{1}{2}$	13	6
Paipoonge,NR	"	"	2	200	...	...	1	8
" S R	"	"	9	1,100	3	116	8	12
Pardee.....	"	"	...	...	...	...	...	5
Pearson.....	"	"	19	3,065 $\frac{1}{2}$	4	323 $\frac{1}{2}$	14	7
Scoble.....	"	"	20	3,086	4	203	20	6
Strange.....	"	"	28	4,383	7	870 $\frac{3}{4}$	23	8
Ware (pt)....	"	"	32	5,529 $\frac{1}{2}$	9	608 $\frac{1}{2}$	18	4
Atwood ..	Rainy River..	William Cameron, Stratton..	...	...	1	1	...	1
Blue	"	"	14	2,054	8	287 $\frac{1}{2}$	11	5
Curran....	"	"	10	1,536	3	48	6	...
Dewart	"	"	2	320 $\frac{3}{4}$	1	36 $\frac{1}{2}$	2	2
Dilke	"	"	2	242	1	82	...	1
Morley	"	"	9	1,132 $\frac{1}{2}$	5	124	3	6
Morson	"	"	54	8,050	19	830	29	...
McCrosson ...	"	"	22	3,070	4	130	18	3
Nelles.....	"	"	12	1,528	6	135	10	7
Pattullo... ..	"	"	9	1,080 $\frac{1}{2}$	5	54	6	1
Pratt	"	"	5	800	2	126	8	5
Rosebery ....	"	"	...	...	...	...	...	...
Shenston.....	"	"	1	162	2	86	1	5
Sifton	"	"	15	2,517	4	169	12	8
Spohn	"	"	14	1,958	4	205	14	6
Sutherland... ..	"	"	17	2,881 $\frac{1}{2}$	5	250	14	2
Tait	"	"	9	1,445	9	216	10	6
Tovell	"	"	15	2,471 $\frac{1}{2}$	5	225	9	3
Worthington..	"	"	2	323	2	6	2	1
Aylsworth ...	Rainy River .	Alex. McFayden, Emo .....	...	...	...	...	1	1
Barwick .....	"	"	...	...	...	...	...	...
Burriss	"	"	20	3,011	7	370	16	12
Carpenter....	"	"	8	1,342	5	215	6	8
Crozier.....	"	"	12	1,835 $\frac{3}{4}$	4	10	7	6
Dance.....	"	"	20	3,331	5	174	18	3
Devlin	"	"	2	324	4	125	...	7
Dobie	"	"	15	2,392	3	66	14	2
Fleming .....	"	"	...	...	...	...	...	1
Kingsford ..	"	"	20	3,084	10	508	15	10
Lash.....	"	"	5	812	4	92	6	11
Mather	"	"	13	2,145	1	40	10	10
Miscampbell .	"	"	12	1,924	1	...	11	5
Potts	"	"	42	6,661	3	19 $\frac{1}{2}$	20	4
Richardson...	"	"	24	3,950 $\frac{1}{4}$	2	120	8	4
Roddick.....	"	"	...	...	1	123	...	2
Woodyatt ....	"	"	...	...	...	...	...	2
Aubrey	Kenora	R. H. Pronger, Dryden	11	1,501 $\frac{1}{2}$	2	31	9	5
Eton.....	"	"	5	707 $\frac{1}{2}$	...	...	3	3
Langton	"	"	1	205	...	...	1	...
Melgund	"	"	21	2,965 $\frac{1}{2}$	1	48	2	4
Mutrie.....	"	"	16	2,581	3	159	13	6
Rugby .....	"	"	...	...	...	...	...	...
Sanford	"	"	6	835	...	...	4	4
Southworth ..	"	"	6	827 $\frac{3}{4}$	1	33	...	2
Temple	"	"	13	2,297 $\frac{1}{2}$	...	...	5	...

Appendix No. 13.—Concluded.

Township.	District or County.	Agent.	No. of persons located.	No. of acres located.	No. of purchasers.	No. of acres sold.	No. of lots resumed.	No. of patents issued.
Van Horne ...	Kenora	R. H. Pronger, Dryden.....	2	235	1	80	1	8
Wabigoon ...	"	"	14	2,119	1	33½	10	...
Wainwright ..	"	"	9	1,429½	2	40	7	8
Zealand	"	"	13	1,728	5	261	8	4
Melick	Kenora	W. L. Spry, Kenora	20	3,032	4	242	24	6
Pellatt	"	"	18	2,586½	4	74	32	5
Blezard	Sudbury.....	J. A. Lemieux, Blezard	9	1,305½	...	...	1	...
Capreol ...	"	" Valley	26	5,628¾	1	4	4	10
Hanmer	"	"	15	2,040	1	2	9	5
Lumsden .....	"	"	...	...	...	...	...	...
Balfour	Sudbury	J. K. MacLennan, Sudbury ..	7	989½	...	...	1	4
Broder	"	"	14	1,958½	3	32	6	7
Chapleau.....	Algoma	"	3	173	...	...	...	...
Dill	Sudbury	"	6	952½	6	663	...	4
Garson	"	"	11	1,423½	6	186	2	6
Morgan (pt) ..	"	"	9	1,187	...	...	...	2
Neelon	"	"	14	1,944	13	1,264	5	11
Rayside	"	"	4	318	1	½	...	7
Appleby	Sudbury	Emile Langlois, Warren.....	7	960	3	10	...	4
Casimir	"	"	6	882½	...	...	...	3
Dunnet	"	"	2	320	...	...	...	1
Hagar	"	"	5	771	1	160	...	3
Jennings	"	"	6	844	...	...	1	4
Kirkpatrick ..	Nipissing ...	"	7	1,065	2	41	...	8
Ratter	Sudbury	"	7	1,107½	2	20	...	3
Caldwell	Nipissing ...	J. A. Philion, Sturgeon Falls.	8	864	1	80	...	10
Cosby	Sudbury	"	11	1,759	4	7½	...	8
Grant	Nipissing ...	"	11	1,662	...	...	1	...
Macpherson ..	"	"	9	1,382½	...	...	1	5
Martland	Sudbury	"	4	637	...	...	...	4
Springer	Nipissing ...	"	6	915	...	...	...	9
Abinger	Lennox and Addington	Charles Both, Denbigh	5	802	...	...	3	1
Canonto, S....	Frontenac....	"	...	...	...	...	...	2
" N....	"	"	...	...	...	...	...	1
Clarendon....	"	"	3	290	...	...	2	1
Denbigh....	Lennox and Addington	"	...	...	...	...	1	...
Palmerston	Frontenac....	"	1	212	...	...	1	1
Airy	Nipissing ...	Unattached	7	656	1	1	1	1
Finlayson ...	"	"	...	...	...	...	...	...
Murchison ...	"	"	1	200	...	...	...	2
Sabine	"	"	6	599	...	...	1	...
			1,568	224,042	418	18,831½	1069	899

Appendix No. 14.

Statement of Municipal Surveys for which instructions issued during the 12 months, ending
October 31st, 1911.

No.	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.
1	S. E. Farley	682	Nov. 16th, 1910..	To survey the original road allowance between lot 30, concession 2, Ottawa Front, and lots lettered J, K, L, M and N, concession A, Rideau Front, in the township of Nepean, in the county of Carleton, and to define said road allowance by permanent monuments on each side thereof.
2	W. J. Moore	683	Aug. 24th, 1911..	To survey the original road allowance between the 6th and 7th concessions of the township of Elmsley North, in the county of Lanark, from lot 22 to lot 30, inclusive, or between such points in which an original or undisputed point can be found, and to define said road allowance by permanent stone or iron monuments on each side thereof, in accordance with the provisions of the Revised Statutes of Ontario, 1897, chapter 181, section 14.

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 15.

Statement of Municipal Surveys confirmed during the 12 months ending October 31st, 1911.

No	Name of Surveyor.	No.	Date of Instructions.	Description of Survey.	Date when confirmed under R.S.O., 1897, Chap. 181, secs. 10-15 inclusive.
1	George L. Brown....	622	Jan. 27, 1900 ...	To survey part of the line between concessions 4 and 5, in the township of Williamsburg, in the county of Dundas, from the west side of lot No. 9 to the eastern boundary of the township, and to define the road allowance between said concessions, between said points with stone or iron monuments planted on either side of said road allowance.	May 27, 1911.
2.	Alfred J. Cameron...	648	March 29, 1904 .	To survey the right of way or road allowance along the west bank of the Otonabee River, from Wolfe Street to Hunter Street, in the town of Peterboro', and to define the western limit of the said right of way or road allowance by stone or iron monuments, to be planted at the intersection of the several streets from Wolfe Street to Hunter Street with said western limit, and at other places if necessary.	Feb. 21, 1911.
3.	E. T. Wilkie	679	Dec. 27, 1909 ...	To survey the concession line between the 8th and 9th concessions of the township of Hinchinbrooke, from lot 12, south, to lot 8, and to define the same by permanent boundaries.	Nov. 18, 1910.
4.	E. T. Wilkie	680	Jan. 18, 1910	To survey the town line between the townships of Nepean and North Gower, in the county of Carleton, and to plant permanent monuments at all points of intersection with concession lines or side roads running thereto through either township.	Dec. 9, 1910.

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 16.

Statement of Crown Surveys in progress during the twelve months ending October 31st, 1911.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount Paid.
				\$
1	May 29, 1911.	A. Bell.....	To survey outlines of new townships, District of Nipissing	5,200
2	June 10, 1911.	D. Beatty.....	To survey islands in Georgian Bay in front of Conger and Cowper	4,300
3	July 25, 1911 & June 20, 1911.	E. D. Bolton	To survey tract of land near Mack Station, District Thunder Bay, and survey of township of Lyon, additional	1,700
4	May 2, 1911..	H. J. Beatty	To survey township outlines, District of Sudbury	6,000
5	June 20, 1911.	Code & Code.....	To survey township outlines, District of Sudbury	5,000
6	May 4, 1911.	J. S. Dobie	To survey township outlines, District of Sudbury	5,000
7	May 17, 1911.	C. H. Fullerton...	To survey township outlines, District of Nipissing	6,300
8	June 8, 1911..	J. W. Fitzgerald..	To survey township outlines, District of Sudbury	5,500
9	July 18, 1911.	T. D. Green	To survey islands in Gun and Sand Lakes, Winnipeg River, District of Kenora	7,000
10	June 17, 1911.	D. J. Gillon.....	To survey islands in Rainy Lake, District of Rainy River	3,000
11	July 31, 1911.	A. D. Griffin.....	To traverse Sesekinika Lake, District of Nipissing	700
12	June 12, 1911.	Jas. Hutcheon	To survey base and meridian lines, District of Sudbury	6,200
13	July 21, 1911.	J. E. Jackson.....	To survey base and meridian lines, District of Nipissing	4,700
14	June 2, 1911.	J. J. Newman	To survey township outlines, District of Nipissing	2,500
15	June 28, 1911.	Paulin & Anderson	To survey Zealand, additional, and townsite in Wabigoon Township, District of Kenora	3,000
16	May 22, 1911.	Sutcliffe & Neelands.....	To traverse the Mattagami River, District of Sudbury	4,000
17	May 20, 1911.	Speight & Van Nostrand.....	To survey base and meridian lines, District of Sudbury	8,000
18	June 8, 1911..	Walter Smith.....	To traverse lakes and rivers, lying between Bisco Station and Mattagami Lake, District of Sudbury	2,900
19	May 4, 1911..	R. W. Demorest ..	To survey islands in Lake of the Woods, District of Kenora	20,440
				101,440

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 17.

Statement of Crown Lands surveyed, completed and closed during the 12 months, ending
October 31st, 1911.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of acres.
				\$ c	
1	March 19, 1910 ..	A. G. Ardagh.....	To survey islands in Georgian Bay in front of Harrison and Shawanaga	5,635 43	
2	March 21, 1910..	D. Beatty.....	To survey islands in Georgian Bay in front of Conger and Cowper	4,378 84	
3	March 23, 1910..	C. H. Fullerton ..	To survey islands in Night Hawk Lake in townships of Cody and Macklem	537 75	
4	April 18, 1910...	C. H. Fullerton ..	To survey outlines of townships surrounding Night Hawk Lake and to south thereof, District of Nipissing	855 84	
5	April 16, 1910...	J. H. Burd	To survey islands in Georgian Bay in front of McDougall and Carling	2,903 18	
6	April 22, 1910 ..	L. R. Ord	To survey islands in Georgian Bay in front of Wallbridge...	1,535 63	
7	April 18, 1910...	C. H. Fullerton....	To survey Night Hawk Lake and islands therein, in townships of Carman, Thomas and Langmuir	803 47	
8	May 2, 1910	Speight & Van Nostrand	To survey base and meridian lines, District of Algoma	72 00	
9	May 3, 1910	J. W. Fitzgerald..	To survey outlines of townships, Districts of Nipissing and Sudbury	565 01	
10	May 10, 1910 ..	Alex. Niven	To survey town plots of Superior Junction and Reddit, District of Kenora	1,387 58	
11	May 11, 1910. ..	J. Hutcheon	To survey township of Machin, District of Sudbury	2,958 50	53,812
12	May 17, 1910 ...	A. S. Code	To survey outlines of townships north of Aylmer, District of Sudbury	675 60	
13	May 27, 1910	J. J. Newman	To survey outlines of townships north of McNish, District of Nipissing	2,359 68	
14	June 9, 1910.. ..	Bush & Paulin....	To traverse lakes, District of Algoma	1,800 52	
15	July 5, 1910.....	W. Beatty	To survey part of township of Alexandra, District of Nipissing	1,480 60	34,806
16	July 17, 1910....	A. D. Griffin	To survey residue of townships of Maisenville and Benoit, District of Nipissing	233 10	27,106
17	Sept. 2, 1910	E. Seager.....	To survey timber berths, K 1 to 7, District of Kenora	367 93	
18	Aug. 19, 1910....	T. B. Speight	To survey town plot of Missinaibi, District of Algoma	488 35	
19	.....	L. V. Rorke	Inspection of surveys	1,338 72	
20	April 26, 1911...	E. Seager.....	To survey town plot of Waldhof, District of Kenora	230 14	
21	May 22, 1911.	Cavana & Watson..	To survey township outlines, District of Sudbury	5,406 60	
22	June, 19, 1911.	C. E. Fitton.....	Inspection of surveys	2,669 20	

Appendix No. 17.—Continued.

Statement of Crown Lands surveyed, completed and closed during the 12 months.—Continued.

No.	Date of Instructions.	Name of Surveyor.	Description of Survey.	Amount paid.	No. of acres.
				\$ c.	
23	May 17, 1911....	W. J. Johnston	To survey township outlines, District of Sudbury	4,154 09	
24	May 5, 1911.....	Lang & Ross.....	To survey township outlines, District of Sudbury	5,391 15	
25	May 22, 1911....	H. M. Anderson ...	To survey town plot of Matta- wishguia, District of Algoma.	979 51	
26	May 17, 1911....	Pierce & Phillips..	To survey broken lot No. 5, con. 1, Tisdale, District of Sudbury	115 45	
27	July 26, 1911....	H. M. Anderson ...	To survey town plot of Matta- gami, District of Sudbury	948 00	
28	July 26, 1911....	H. M. Anderson ...	To survey town plot of Low Bush, District of Sudbury ...	1,206 00	
29	May 8, 1911.....	T. J. Patten	To survey township outlines, District of Sudbury	5,729 40	
			Rice Lewis & Son, iron posts...	265 93	
			C. Tarling & Co., mounting maps	662 15	
			E. H. Harcourt & Co., printing maps	7,113 50	
			Link & Henderson, horse drowned on R. W. Demorest's survey	200 00	
			Rolph Clark & Co., maps Georgian Bay	514 02	
			J. A. Pollard, mounting maps..	20 80	
			Map Publishing Co., maps	5 00	
				\$65,988 64	115,724

GEORGE B. KIRKPATRICK,
Director of Surveys.

AUBREY WHITE,
Deputy Minister of Lands and Forests.

Appendix No. 18.

SURVEY CERTAIN BASE AND MERIDIAN LINES, DISTRICT OF SUDBURY.

WINDSOR, ONT., Dec. 17th, 1910.

SIR,—In compliance with your instructions dated May 27th, 1910, I have completed the survey of certain base and meridian lines west of Lake Temagami and north of the Townships of McNish and Pardo in the District of Sudbury.

I left Windsor on the 1.20 a.m. Canadian Pacific Railway train, July 19th, and arrived in Toronto at 8.30 a.m., where I found that owing to a strike on the Grand Trunk, trains were not running between Toronto and North Bay, so I had to get our tickets changed and proceed via Canadian Pacific Railway to Sudbury, thence to North Bay where I arrived about 10.30 a.m., July 20th, and found that the men I had engaged from Sturgeon Falls, had gone back home on learning that the Grand Trunk trains were not running, so I had to drop off, telegraph to Sturgeon Falls and wait until the following morning before I could proceed north.

I left North Bay at 12.45 p.m. on July 21st, and proceeded to Temagami Station where I found the boat waiting, so I arrived at Temagami Inn with eleven men and my supplies about 6 p.m. the same day. That evening I engaged a man at Bear Island, who knew the canoe routes and portages, and arranged with the Steamboat Company to take the party and supplies to Skunk Lake Portage the following morning. I got in to Lake Manitowapawgi on the evening of July 23rd, where I camped and made preparations to commence my survey. On Monday the 25th, I located the north boundary of the Township of McNish and commenced my work proper on Tuesday, July 26th.

I commenced my survey at a 1¼ inch iron post, planted beside a 6 inch pine post in a cairn of stones, marked "XXVI" 1 Con. "VI" McNish, on southwest side; "XVIII" 1 Con. "VI" Pardo, on southeast side; "XIX" on east side and "XXVII" on west side. Thence I ran the second meridian due north six miles. From the 6th mile post on the second meridian I ran the first base line east 6 M. 2.85 chains to the west shore of Lake Temagami. I then returned to the second meridian and continued north 12 miles numbering the posts on the south side from 1 to 6 between the first and second base lines, and from 1 to 6 north of the second base line. I then returned to the second base line which I ran west from the 6th mile post on the second meridian, numbering the posts on the east side.

I then started and ran the second base line east to Lake Temagami, numbering the posts on the west side from 1 to 6 between the second and third meridians and 1 to 2 M. + 26.50 chains between the third meridian and the lake. I then ran the third meridian north 6 miles numbering the posts on the south side. I then returned to the first base line and ran west from the 6th mile post on the second meridian to the east boundary of the Township of McCarthy which I intersected at 3.54 chains south of the northeast corner. From the northeast corner of the Township of McCarthy I ran the first meridian north intersecting my second base line at 6 M. — 5.12 chains, from the northeast corner of the Township of McCarthy and 6 M. + 4.14 chains west of the second meridian. From the second base line I continued my first meridian north 12 M. 10 chains to the northeast corner of the Township of Seagram, numbering the posts from 1 M. to 6 M. between the second and third base lines and from 1 M. to 6 M. + 10 chains along the east boundary of Seagram. I then ran west along the north boundary of Seagram until I intersected the production of the west boundary of Seagram at 7 M. — 7.63 chains and

5.94 chains north of the north boundary of the Township of Turner. I then returned to the 6th M. post north of the second base line on the first meridian where I commenced my third base line and ran east to Lake Temagami, intersecting my second meridian at 6 M. — 6.51 chains, north of the second base line, and the third meridian at 6 M. — 6.20 chains north of the second base line.

Where a mile post or corner intersection would fall in a lake, a post was planted on the shore and marked with the chainage to the point where the post was planted.

All posts were marked in accordance with your instructions as shown by accompanying plan and field notes. All iron posts were 3 feet long, $1\frac{7}{8}$ inches in diameter, forged at the top, pointed at the bottom and painted red.

I took frequent observations on Polaris at elongation and used an azimuth of 1 degree .44 m. for the field work. The magnetic variation is fairly uniform, varying from 8 degrees to 10 degrees west for the most of the territory worked over, the only marked change being on the second meridian in the 6th M. north of the Township of McNish, where the compass varied from 8 degrees west to 30 degrees east in a distance of about 3 chains.

All lines were well cut out and blazed.

The Sturgeon and Obabika were the only large streams crossed during the progress of the work, but there are quite a number of lakes of various sizes, the more important of which were fairly accurately shown on the projected map accompanying your instructions.

The country on the whole is quite rocky, rough and hilly, particularly the east part around Lake Temagami and the other lakes, but the land is much more level and far better timbered along the first meridian.

The timber consists chiefly of white Norway and Banksian pine, spruce, white and yellow birch, poplar and balsam, with small patches of hard maple and red oak; the latter two are mostly scrubby and of little commercial value. The pine is quite well distributed over the whole area and ranges from 6 to 30 inches on the stump. The thickest and most uniform timber is along the Sturgeon and the Obabika Rivers.

A considerable portion of this area has been prospected over, but I did not notice a single survey line of any mineral claims.

Of large game, moose and bear are quite plentiful and several were seen by members of the party. There are a few red or fallow deer, while partridge, duck, beaver, rabbits and muskrats are numerous. Trout, black bass and pike were caught in nearly all the lakes and streams. There were scarcely any berries of any kind found during the summer.

I completed the survey on the evening of October 12th, and arrived home on the evening of October 15th.

Accompanying this report you will find a plan on the scale of 1 mile to 1 inch, field notes, chainers' oaths, and accounts in triplicate.

All of which is respectfully submitted.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) J. J. NEWMAN.

The Honourable the Minister of Lands, Forests and Mines,
Toronto, Ont.

*Appendix No. 19.*SURVEY OF BASE AND MERIDIAN LINES IN THE TEMAGAMI FOREST RESERVE,
DISTRICT OF NIPISSING.

ALVINSTON, ONT., Nov. 22nd, 1910.

SIR,—I beg to submit the following report on the survey of base and meridian lines in the Temagami Forest Reserve, in the District of Nipissing made under instructions from your Department and dated May 17th, 1910.

On 22nd July, I proceeded to Sudbury and after arranging for teaming supplies and engaging men I proceeded to Wahnapiatae Lake, and from there north-erly by canoe to Lake Chinicoochichi. The return was made to Sturgeon Falls down Sturgeon River.

The survey as shown on the accompanying plan and field notes was commenced at the north west angle of Mackelcan, where after waiting two days for an obser-vation I produced the line between the Townships of Aylmer and Mackelcan, but succeeded in getting an observation at 73 chains from the north boundary of Mack-elcan. This meridian was run north for a distance of eighteen miles and at the 6th, 12th and 18th mile posts the base lines were run east and west therefrom. The second meridian line was however run south. All observations were made from Polaris at elongation and are shown in the field notes accompanying this report. The plan shows the location of the lines and the approximate waterways.

The magnetic variation runs from $4\frac{1}{2}$ to $8\frac{1}{2}$ degrees west and is not at all constant.

Twelve iron posts were planted and marked as shown in the field notes, and at the head of each mile a wooden post was planted, except where the end of a mile came in water when a witness post was put in marked with the proper chainage.

GENERAL FEATURES AND SOIL.

The country is in general of a rolling character and is sometimes broken sharply by rocky hills and cliffs. Many lakes occur and the character of country near the lakes is nearly always rocky. A few narrow muskegs occur. The Sturgeon River might be said to mark the divide of country with regard to timber and some-what with regard to soil. It is a rough broken stream with a very small flow at low water. Numerous expansions occur.

Travel in any direction almost, can be made over the lakes. The portages are well cut out where travelled.

There are a few burnt areas but such are small. Some *brulé* occurs as well.

The soil is of a sandy nature and not of great depth. The country can never be termed "agricultural" for where the soil is not underlaid with rock about three or four inches from the surface, the land is full of boulders and stones. The timber is however valuable, and there are numerous seams of white quartz and some indications of mineral.

There are numerous small falls and rapids on the Sturgeon River, but the flow is very small at low water.

TIMBER.

Nearly the whole area is covered with a growth of red and white pine, jack pine, birch, poplar, spruce and cedar and the forest is as a rule thick.

The pine is more plentiful south of the Sturgeon River than on the north side, and runs from ten to thirty inches in diameter. Some of the larger pine is beginning to rot at the centre and it might be wise to cut some of the full grown trees.

The timber might be driven down the Sturgeon River in freshet. There is a small area of good sound pine at the south-east angle of McConnell, recently burned, which should be got out before it becomes wormy.

The other timber averages from four to eighteen inches and is in a good state of preservation. The necessity for efficient rangers in this territory is very apparent.

FISH AND GAME.

The fishing in these waters is unequalled. Pike, pickerel, bass and lake trout are easily caught with the troll and some of the fish are exceptionally large.

Red deer, moose and bear were seen, and plenty of muskrat and a few signs of beaver.

Accompanying this report I submit,

(1) A general plan,

(2) Field notes of the survey with index map.

All of which is respectfully submitted.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) A. S. CODE, C.E.

Ontario Land Surveyor.

The Honourable the Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 20.

SURVEY OF BASE AND MERIDIAN LINES, DISTRICT OF ALGOMA.

TORONTO, 15th December, 1910.

SIR,—We have the honour to submit the following report upon the survey of certain meridian and base lines in the District of Algoma, north of Missanabie Lake, made by us under instructions from your Department dated 2nd May, 1910.

Leaving Toronto on 25th May, with four men we proceeded to Missanabie Station on the Canadian Pacific Railway, where by previous arrangement we were joined by fourteen others from Sudbury, Chapleau, Heron Bay and other points in New Ontario.

At Missanabie it was discovered that one of the Toronto men had a diseased foot, and he was obliged to return to his home. The total number of men employed during the season was thirty-seven, although the maximum force at any given time was twenty-two. The party was in charge of T. B. Speight, O.L.S., assisted by John Van Nostrand, O.L.S.

We left Missanabie on 28th May with twenty men, five canoes and about two tons of supplies and equipment, and travelled by way of Dog Lake, Crooked Lake and Missanabie Lake, to the point where the latter is crossed by O.L.S. Niven's base line run in 1899. This journey of about thirty-five miles occupied two days and the only difficulty of importance met with was the rounding of Fairy Point, where the prevalence of rough water is usually a source of danger to canoemen.

We began the work on 1st June, by re-tracing and opening out the Niven base line for a distance of nearly two and a half miles east from lake, arriving at the one hundred and eighth mile post after two days of work in rain, chiefly through *brulé* which in places had obliterated all marks of the original survey. This point, the initial point of the survey, was found to be marked by an iron post planted alongside a tamarac post, the position being further identified by a spruce "bearing tree" six inches in diameter, north ten degrees, east ten links from the posts. This part of the base line being well defined and the weather too cloudy for astronomical work, the required angle was turned off from the base line and we ran due north three and a half miles, at which point the first observation was obtained and the line found to be within one minute of a true meridian. The line was then continued due north to the 24th mile post at which point we ran due west forty-eight chains to tie in the Missanabie River. We then continued the main meridian line due north to the 42nd mile post and from that point started a base line to the east, for the purpose of connecting with the Missanabie River. Subsequently owing to the danger from forest fires and scarcity of water, which the long continued drought had produced, we continued this base line east to the 9th mile post, but failed to reach Opazatika Lake in that distance.

On 30th June, the second day east from the meridian, a sad casualty occurred. Alan C. Henderson, a bright young student from Toronto University, succumbed to the intense heat, combined with drinking impure water from icy muskegs. He became faint while returning with his chaining mate from the day's work about 5.45 p.m. and was unable to proceed further. His companion took the news to camp and refreshment was at once sent out to him as it was thought to be a case of exhaustion only. On the arrival of the relief party he was found to be unconscious, and in spite of all that could be done the unfortunate young man expired about midnight. Early the next morning a picked crew of seven men carried the body to the canoe route and reached Missanabie in three days of forced travelling and, with as little delay as could be, brought the remains to Toronto for interment.

The effect of this calamity upon the superstitious Indians who largely composed the party, was such that eight expressed a desire to quit work and for the same reason it was found very difficult to get others to take their places.

The survey proceeded slowly for the next fortnight when the party received sufficient reinforcement to be able to make good headway, but the continued dry weather which lasted for seven weeks made it all-important to keep within reach of a body of water, sufficient for protection as well as for actual subsistence. The narrow escape made by our party in the season of 1908, from a fire started by prospectors, had shown the necessity for caution of this nature, and the most vigilant care was taken to see that every camp fire was quite dead before a camp ground was left. To the above causes the deviation from the written instructions is chiefly due.

From the 42nd mile post the meridian line was continued north to the 60th mile post, from which point base lines were run nine miles east and west respectively.

The meridian line was then continued to the south boundary of the Township of Staunton, a total length of sixty-nine miles six chains and thirty-two links, the intersection with that boundary being made at a point five chains and seventy-four links west from the south-east angle of lot 21 in concession 1.

Returning to the 51st mile post we ran east, sixteen miles and thirty-three chains, to the Opazatika River.

We next continued this base line west from the meridian for a distance of twenty-seven miles at which point we ran meridians three miles and thirty chains north to a small river, also nine and a half miles south in the hope of connecting with the located line of the Canadian Northern Railway, but owing to a deflection in that line, as we afterwards learned, we failed to reach it.

From the 27th mile post on this base line we continued it west, a total distance of thirty-seven miles six chains and forty-three links, from the main meridian line to the Kabinakagami River and terminated the work for the season.

All lines run were well opened out and blazed in the regulation manner. Iron posts were planted at the 6th, 15th, 24th, 33rd, 42nd, 51st and 60th miles on the main meridian line, and at each 9th mile on other meridian and base lines. The north end of the main meridian was marked by an iron post at its intersection with the south boundary of the Township of Staunton. With the exception of those at the 6th and 15th miles on the main meridian line all these posts were two inches in diameter, 3 feet long, forged at the top, pointed at the bottom and painted red. In the two exceptions above mentioned, the iron posts were one and one-quarter inches in diameter. In addition to the iron posts planted as above described, a wooden post of the most durable material within reasonable distance was planted at the end of each mile. On each wooden post and iron post the number of the mile it represented was carefully and durably marked on the side nearest the initial point of the line. Where a corner occurred in a lake or other natural feature precluding the planting of posts, the post was planted upon the nearest suitable point of land and upon the line run, the distance of such post from the true corner being entered in the notes and marked upon the post. In all cases where wooden and iron posts are planted side by side, the iron post indicates the proper corner.

Frequent astronomical observations, records of a number of which are appended, were taken for the purpose of verifying the course of the lines run, the average magnetic declination being about five degrees west.

The return journey was made by way of Oba River and Lake, Wabatongashene Lake to Dog Lake and thence to Missanabie Station which was reached on 5th September.

GENERAL FEATURES.

The country embraced by this survey comprises the hitherto unexplored territory bounded on the south by the Canadian Pacific Railway, on the north by the National Transcontinental Railway, on the east by the Opazatika and Missanabie Rivers and on the west by the Oba and Kabinakagami Rivers. On the whole the surface may be termed rolling, the only elevations of note being two or three hills about ten miles west of the 50th mile post on the main meridian. These rise to a height of about two hundred feet above the surrounding country.

The other elevations shown by the accompanying plan and field notes vary from ten to thirty feet, with an occasional one of fifty feet.

In addition to the rivers above named the Mattawitchewan, or Albany Branch, crosses the main Base Line about twenty miles west of the main Meridian Line, and flowing north-easterly, enters the Missanable River about one mile west of the 64th mile post on that Meridian.

The lakes include Missanable, Brunswick, Opazatika, Oba and Kabinakagami, with a fair number of smaller lakes of minor importance.

In the valley of the Missanabie River, the soil is generally clay and clay loam with occasional sandy and rocky ridges. Along the main Base Line the soil is of less value for agricultural purposes. The valleys of the other rivers have a smaller percentage of clay than that of the Missanabie. Laurentian and Huronian alternately compose the formation met with.

The ravages of fire of recent date are not much in evidence, but from indications we believe that nearly the whole of this region was fire swept some fifty or sixty years ago with the result that the present timber is largely second growth.

SOIL.

Along the main Meridian Line we found clay and clay loam predominating, the northern thirty miles in particular being of excellent quality. Allowing for sandy ridges and occasional outcroppings of rock, sixty-five to seventy-five per cent. can be classed as good agricultural land. On the Base Line which passes through the 60th mile post nearly the whole is first class soil. Along the main Base Line west from the main Meridian, the clay appears in smaller areas, interspersed with rocky and sandy ridges, and only about thirty per cent. may be termed good farming land.

TIMBER.

Spruce, poplar, Banksian pine, white birch, balm of Gilead, tamarac, balsam and cedar, in about the above order of predominance, compose the timber met with, the largest specimens being in the valleys of the Missanabie and other rivers. As is characteristic of the clay belt, the timber remote from the river is less rapid in growth. Although no great quantity is at present of marketable size, there is sufficient for the ordinary uses of the settler. These conditions are general and vary but slightly. The best specimens of poplar were seen on the east and west shores of Brunswick Lake, and of spruce and Banksian pine, in the valley of the Missanabie.

MINERALS.

As before intimated, the Laurentian and Huronian formations were met with alternately, and in the latter, some promising outcroppings of diorite and diabase in the 52nd and 53rd miles on the main Meridian Line were noticed, but we saw no actual indications of the precious minerals. Indications of iron ore were seen on the south-east bay of Brunswick Lake.

WATER POWERS.

Taking the rivers concerned, in order from the east, the Opazatika has numerous falls and rapids from ten to fifteen feet which are capable of development for local purposes.

The breadth of this stream varies from one hundred to two hundred feet, depth four to six feet with generally fair current and banks about eight to ten feet in height. Opazatika Lake, with an area of about twenty-five square miles, would serve as a natural reservoir, but its low shores and numerous islands would suffer if an attempt were made to increase to any considerable extent the natural elevation of the water.

Missanabie River has a breadth ranging from three hundred to five hundred feet with depth about ten feet. Its current in general is about one and a half to two miles an hour, with the exception of a stretch of about fifteen miles of what is known as "swampy ground," where the flow is almost imperceptible. The banks are usually about ten feet high, although in some places they attain forty to fifty feet. The Lake of the same name covers about fifty square miles, its extreme length being twenty-six miles. Its shores are chiefly rocky, rising gradually, and capable of an elevation of water to four or five feet without causing much flooding. Brunswick Lake, a fine sheet of water with extreme length of fourteen miles and breadth of one-half to two miles, covers an area of about twenty square miles, and is dotted with islands. Its shores are generally rocky with gradual slope, but along the south-west bay are low lying. Brunswick River, which flows from this lake, has an average width of about one hundred feet and depth eight to ten feet. The current is generally slow, but in the three miles above its junction with the Missanabie River rapids and falls amounting to about twenty feet would furnish a fair water power proposition. The ruins of the old Hudson's Bay Company's Brunswick House Post on the west shore of the lake of that name are still to be seen about three miles south from the mouth of the river. Chief amongst the falls and rapids on the Missanabie, within the scope of this survey are Island Falls, with a head of ten feet, about one mile east of the 16th mile post on the main Meridian Line; Green Hill Portage occurring at the 19th mile post, has a rapid about one mile in length with a total descent of twenty to thirty feet; St. Peter's or Split Rock Falls, situated about one mile west of the 23rd mile post, with a fall of twelve feet, and St. Paul's Falls, about four miles east of the 28th mile post, with a head of twenty feet.

Mattawitchewan, or Albany Branch, River, from one hundred to two hundred feet in width and four to six feet in depth has, as indicated by its Indian name, numerous minor falls and rapids. A unique feature of this stream is that its source is the Oba River, the divided waters of which flow in opposite directions from this source. The located line of the Canadian Northern Railway crosses the smaller stream near this intersecting point. The shores of the Mattawitchewan are low lying, but no lake expansions occur.

The Oba River is a stream about two hundred feet wide and six to eight feet deep with banks generally about eight feet high and fair current. A considerable number of small falls were noted. With Oba Lake as a reservoir, some eleven square miles in extent, those in the upper part can be utilized. The lake contains numerous islands and is flanked on the north-west by a range of hills which add to its beauty. At the source of the Mattawitchewan, the Oba, as before noted, yields a part of its waters to the former, the remainder flowing south-westerly to form the chief tributary of the Kabinakagami.

The Kabinakagami River on the western verge of this survey is a stream differing little from the Oba, has falls and portages very similar to those above described and is regulated in its flow by Kabinakagami Lake, with an area of about thirty square miles, and containing many islands.

An important feature in all these rivers is the existence of the large lakes mentioned, which add very materially to the value of the water powers by insuring, in great measure, a uniform flow of water.

GAME.

Moose were numerous, but no red deer were seen. Bears were plentiful and on more than one occasion took advantage of want of care in protecting provisions. Indications of beaver were seen in numbers of places. Mink and marten also were noticed. Partridge are to be found in considerable numbers. Grey trout abound in the larger lakes and attain a great size. In the streams, particularly in the Mattawitchewan, Coat and Oba Rivers, speckled trout are abundant.

GENERAL REMARKS.

Nearly the whole of the territory embraced by this survey lies within the clay belt and the greater part, particularly in the valleys of the Missanabie and Kabinakagami, will be available for farm land when the transport facilities warrant settlement.

In this connection the National Transcontinental Railway will be opened during the coming summer; the Canadian Northern Railway, which crosses the territory diagonally in a north-westerly direction about midway between the Canadian Pacific and National Transcontinental Railways, will be under construction as early as the opening of Spring will permit, and the Algoma Central has projected a line down the Oba and Kabinakagami Valleys to connect with the National Transcontinental Railway, with the estimate that this link will be completed during the next two or three years.

In work of this kind the surveyor finds it impossible to obtain information sufficient to arrive at any reliable conclusion as to the mineral possibilities. Outcroppings of rock were seen at intervals as already noted, and it may well be that these are deserving of the attention of expert prospectors.

The fact that the several railways mentioned are about to give easy access to a large part of this region should within a few years throw it open to the settler.

The abundance of wild fruits and the success with which vegetables are grown at Brunswick House Post, together with our own observations of the climatic conditions in the clay belt during the past ten years, convince us that there is a great agricultural future before this part of Ontario.

Accompanying this Report are a general plan, field notes and triplicate account.

We have the honour to be,

Sir,

Your obedient servants,

(Sgd.) SPEIGHT & VAN NOSTRAND.

Ontario Land Surveyors.

The Honourable The Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 21.

SURVEY OF TOWNSHIP OUTLINES IN THE DISTRICT OF SUDBURY.

THESSALON, Nov. 22nd, 1911.

SIR,—In accordance with your instructions dated May 4th, 1911, I have made a survey of certain Township Outlines northwest of the Mississaga Forest Reserve, and beg to submit the following report:

The best route to this territory is via the Montreal River from the Algoma Central Railway.

I commenced the survey by running a base line east from a point 21.94 chains south of the 43rd mile post on the meridian line run in 1898 by T. B. Speight, O.L.S. This base line was run due east a distance of 12 miles and forms the north boundary of Range 16. The north boundary of Township 9 H., which is a continuation of this base line, was run later in the season. I returned to the northeast corner of Township 23, Range 16, which point is exactly 6 miles east of the starting point on O.L.S. Speight's meridian, and ran north astronomically a distance of 5 miles 20.40 chains, at which point this line was intersected later in the season by the north boundary of Range 17. Returning to the northeast corner of Township 23, Range 16, I ran south astronomically between Townships 23 and 22, Range 16, a distance of 6 miles, to the south-east corner of Township 23, Range 16. From this point I ran west astronomically a distance of 6 miles 1.13 chains, at which point I intersected the meridian line run by O.L.S. Speight in 1898, at a point 22.95 chains south of the 37th mile post. I returned to the south east corner of Township 23, Range 16, and ran south astronomically between Townships 23 and 22, Range 15, a distance of 5 miles 78.77 chains to the base line run by myself in 1908, which was intersected at a point 2.49 chains east of the 18th mile post. Returning again to the south-east corner of Township 23, Range 16, I ran east astronomically a distance of 6 miles to the south-east corner of Township 22, Range 16. From this point I continued this line east astronomically between Township 8 H. and Township 9 H., a distance of 5 miles 73.47 chains, at which point I intersected a meridian line run during this season at a point 12.35 chains south of an iron post marked 8 G., on the south-east side and 9 G. on the north-east side. I then returned to the south-east corner of Township 22, Range 16, and ran south astronomically between Township 22, Range 15, and Township 8 H., a distance of 5 miles 77.05 chains to the base line run by myself in 1908, which was intersected at a point 1.65 chains east of the 12th mile post, this mile post being the north-west corner of the Mississaga Forest Reserve. I returned to the south east corner of Township 22, Range 16, and ran north astronomically a distance of 6 miles to the south-east corner of Township 22, Range 17. From this point I ran east astronomically between Township 9 H., and Township 10 H., a distance of 5 miles 68.80 chains, at which point I intersected a line run this season at a point 12.45 chains south of an iron post marked Township 10 G., on the south-east side. I returned to the south-east corner of Township 22, Range 17, and ran north astronomically between Township 22, Range 17 and Township 10 H., a distance of 5 miles 21.94 chains, to the south-east corner of Township 22, Range 17. From this point I ran east astronomically between Township 10 H. and Township 11 H., a distance of 6 miles.

I returned to the north-east corner of Township 22, Range 17, and ran west astronomically a distance of 5 miles 78.95 chains to the east boundary of Township 23, Range 17, which I intersected at a point 20.40 chains north of the 5 mile post, as previously mentioned in this report. From this point I continued due west astronomically a distance of 5 miles 77.17 chains, at which point I intersected the meridian line run in 1898 by O.L.S. Speight, at a point 3.05 chains south of the 48th mile post. In running the last line I intersected the lines run by Messrs. Lang and Ross, Ontario Land Surveyors, during this season, and moved their posts to the points where my line intersected theirs. The points where these posts were planted are shown in my field notes, and in accordance with your request, I have supplied Messrs. Lang and Ross, O.L.S., with the information necessary to complete their returns.

Throughout the survey the lines were carefully run and are well cut out and blazed. The posts are all of the best timber available, and stone mounds were built around the posts wherever possible. Some of these mounds are large enough to form permanent monuments for all time.

An iron post was planted at each township corner and marked with the number of the adjoining township on the side facing the township. The iron post at the south-east corner of Township 9 H. was not marked owing to an oversight. It is planted, however, in a good mound of large stones.

Astronomical observations were taken very frequently and the details are shown in the field notes at the points where the observations were taken. In running these lines I used a transit with an object glass large enough to take observations on Polaris in the day-time. I also carried a first-class sidereal watch which I checked at every possible opportunity. By this means I was able to take an observation every clear day, while the work was actually in progress, instead of having to wait for an elongation of the star at night.

The territory lying within the limits of the survey is practically a virgin forest. I do not think that five per cent. of the total area has been burnt. There is an area of *brulé* extending for some distance along the east bank of the Montreal River, and running back for a mile or more. An area of perhaps three or four square miles has been burnt some years ago near the Batchewana River in Townships 22 and 23, Range 16. There are also a few small burnt areas here and there, which have apparently been caused by lightning, as they are all far removed from any travelled route and do not in any case cover more than a few acres. There is also some *brulé* of recent date along the north boundary of Townships 23, Range 17.

The timber throughout is a mixed growth of spruce, balsam, white birch, jack pine and white pine. There is more or less white pine of good quality scattered over the whole area and in many places grows very thickly. This pine occurs mostly in bunches among other timber, but the total amount within the area covered by the survey is very large. There is also a large quantity of splendid spruce along the Batchewana River in Township 22, Ranges 15 and 16. There is a large quantity of fine jack pine suitable for railway ties.

These townships are close to the Montreal River, which is the most important stream, and flows along the west boundary of Township 23, Range 17, and part of Range 16. There are several falls on the Montreal River which would make good water powers. One in particular occurs about a mile south of the north-west corner of Township 23, Range 16. In half a mile, the river falls at least one hundred feet and probably more. This falls is partly east and partly west of

O.L.S. Speight's meridian line. A branch of the Montreal River flows through Townships 22 and 23, Range 16, and part of Townships 9 H. and 10 H. This is a rough stream, but with some improvements could be used for timber driving purposes. It is navigable for canoes across Township 23 and most of Township 22, but there are a number of portages to be made. The Batchewana River flows through the southern part of this territory, and is also a stream suitable for timber driving with some improvements. The Goulais River rises in Township 8 H. but is a small stream, being very near the source.

The country as a whole, is rough and hilly, and in some places almost mountainous. The soil is mostly sand and gravel, and in my opinion is not suitable for agriculture.

The geological formation is principally granite, but a large area of Huronian rocks occurs along the Batchewana River, which might yield results if carefully prospected. No indications of economic minerals were seen.

The magnetic variation averages about $3^{\circ} 45'$ west, but is very inconstant, variations of a degree or more being so frequently observed as to make it useless to attempt to keep a record of them. When the local attraction is very large the fact has been recorded in the field notes.

Moose are fairly plentiful and there are some deer. Wolves were heard occasionally. The partridge are becoming very plentiful after having almost disappeared. The ordinary fur-bearing animals appear to be fairly plentiful.

In the Montreal River large pike were caught with a troll, while in the Batchewana River some fine speckled trout were caught.

Enclosed herewith are field notes, plan, timber plan on tracing linen and accounts in triplicate.

I have the honor to be,

Sir,

Your obedient servant,

(Signed) JAMES S. DOBIE.

The Honourable, The Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 22.

SURVEY OF TOWNSHIP OUTLINES, DISTRICT OF SUDBURY.

NEW LISKEARD, ONT., Oct. 10, 1911.

SIR,—I beg to submit the following report on the survey of Township Outlines in the District of Sudbury, north-west of Porcupine, performed under instructions dated May 17th, 1911.

I went into the country by the Kamiskotia River, which, while navigable, has many short rapids and log jams.

Owing to its being almost unnavigable through the Township of Massey, I was forced to commence work at O.L.S. Niven's XVIII mile post on his second

base line, or at the north-west corner of the Township of Turnbull. From here I ran south and north to the north-east corner of Whitesides and south-west corner of Kingsmill, respectively, a distance of thirty (30) miles.

The southerly three and one-quarter ($3\frac{1}{4}$) miles of the west boundary of Byers, or Niven's second meridian line, was run and produced twelve miles to the south-west corner of the Township of Massey.

From the north-west corner of the Township of Robb, which is also the north-east corner of Coté, base lines were run east and west astronomically, a distance of six miles each way.

Similar base lines were run from the north-west corner of the Township of Thorburn.

The above lines were well opened up and the adjacent trees well blazed in the usual manner, while wooden posts of durable material were planted at every mile and half-mile; and where such distance came in a lake or river, a post was planted on the shore nearest the said distance, with the chainage carved on the proper face. On nearly all the lakes and larger rivers, posts were planted on the banks with the chainage carved thereon for the benefit of surveyors and prospectors in making a tie. The posts were planted as solidly as possible, and, where possible and necessary, a cairn of stones were built around them.

Iron posts of $1\frac{1}{4}$ inches were planted at the following points: south-west corner of township of Turnbull; north-west and north-east corners of township of Robb; north-west and south-west corners of township of Coté; south-west corner of township of Massey; north-west and south-east corners of township of Geary and north-west and north-east corners of township of Moberly.

The names of the townships were cut with a cold chisel on all of those iron posts, and the wooden posts at the same points were carved similarly with a scribe. No iron post was planted at the north-west corner of township of Loveland, which said point falls in the north branch of the Kamiskotia River.

Observations on Polaris were taken every six miles, and where possible, every three, for the purpose of keeping the lines astronomically correct; and magnetic variation was noted at these points as well as others where a change of variation took place. The variation ranges between six degrees and ten degrees west; the results being entered in the field notes.

The chain bearers were duly impressed throughout the survey with the necessity of accurate chainage and taking careful field notes so that the natural features, variety of soil and timber would be plainly shown.

During the months of June and July, forest fires were prevalent in the Townships of Massey, Turnbull, Robb, Coté, Loveland and Byers. The cause, I think, was mainly through prospectors neglecting to extinguish their fires before leaving a camp. There were quite a number of prospectors in these said townships, prospecting for gold, and several good finds were made in Turnbull, Robb, Loveland and Byers.

I had the misfortune to suffer rather heavily through the fires, being burned out twice, and having to take to the river with all our provisions and camp.

SOIL.

[The whole country may be termed low and flat, a large portion of it being rather swampy, though in the townships of Massey and Turnbull there is higher ground, there being many sand ridges. Throughout the northern townships, however, clay loam is found everywhere with ridges of sand occasionally cropping

up and in some places in the swamp, sand exists under the muck, instead of clay. If properly drained, this would be valuable agricultural land. There are no settlers in this district at all, though much trapping is done by the Indians and trappers. The four northern townships, Wilhemina, Geary, Moberly and Thorburn are very low, level land.

ROCK.

Rock occurs only in the southerly six townships and generally in low ridges and domes, rising out of low ground. It consists principally of porphyry, granite, diabase and schist. The schist occurs in narrow dykes of about one hundred to two hundred feet in width, and only three such dykes were found on the westerly boundary of Côté and Massey.

In Turnbull and Robb, where many claims are staked, the formation is a quartz porphyry changing to a diabase.

In the Township of Loveland, higher ridges of rock occur along the banks of the Kamiskotia, being in some places two hundred feet in height.

Another year will show the value of mineral in these townships if it exists.

TIMBER.

The entire townships are covered with pulpwood, with occasional good ridges of jack-pine in Massey, Turnbull and Robb. The ridges follow the course of the river to quite an extent. The timber in the northern six townships consists of spruce, balsam, birch, cedar and dead tamarac, to about fifteen inches in diameter. A noticeable feature throughout is the growth of young tamarac, being quite thick in several places. No white or red pine was seen at all. Old and new brûlé follows the course of the river and across the Township of Turnbull.

WATER-POWER.

Only one water power of any size exists. This is in the Township of Côté on the Kamiskotia River about three hundred feet north of the boundary line, where a natural head of about twenty-five feet is obtained. A raise of ten feet by a dam would possibly give 1,000 H.P., though in a dry season this would be considerably diminished. In view of the fact that Porcupine and Cripple Creek are so close, this power may be of some value.

Accompanying this report is a general plan on a scale of one mile to an inch, a timber plan on same scale, field notes, oath of chainmen, and all other necessary documents, all of which are respectfully submitted.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) W. J. JOHNSTON.

The Honourable, The Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 23.

SURVEY OF TOWNSHIP OUTLINES, DISTRICT OF SUDBURY.

LITTLE CURRENT, ONT., Sept. 15, 1911.

SIR,—I have the honour to submit to you the following report on the Survey of Township Outlines in the District of Sudbury, under instructions from your Department dated May 8th, 1911.

After procuring my outfit, provisions and guides from Biscotasing, I proceeded by way of the canoe route from Old Wakami, mileage 94, west of Cartier, on the Canadian Pacific Railway, through Wakamagaming and Keksquasheshing Lakes and River to Wenebagon Lake. I returned the same way as far as Wakamagaming Lake, where I turned to the route to Ridout Station, as a train at Old Wakami cannot be flagged. The fire rangers at Wakamagaming Lake have cut out the old portage to Ridout, making it much easier to travel.

I commenced the work where I had last year planted an iron post at the north-east angle of 8 D, about 70 chains south of Lake Wenebagon, and ran the first base line west astronomically 24 miles, between Townships 8 D and 9 D, 8 E and 9 E, 8 F and 9 F and 8 G and 9 G.

The first 3 miles, on account of a difficulty in obtaining my latitude, is some minutes astray, as recorded in the notes and plan.

At intervals of 6 miles on above base, I ran north 6 miles, and south 6 miles and a fraction to O.L.S. Dobie's Base Line, numbering each meridian, reckoning from the east, as 1st, 2nd, 3rd and 4th.

After running north from the 1st base on the 4th meridian, I ran east astronomically, the 2nd base along the north limits of 9 G, 9 F, 9 E and 9 D, 23 miles and about 11 chains to Wenebagon Lake. Where the meridians intersected this base, I planted the posts for the corners of the several townships.

At every mile a wooden post was planted and marked in Roman numerals, cut in the post, the mileage, which on the base lines was reckoned from the north-east angle of the township, and on the meridians it was reckoned from the south-west angle.

At every township corner, an iron post, of 1¼ inch pipe, was also planted and marked thereon with a cold chisel the adjacent township numbers. An exception to this is at the north-east angle of 9 G, where, on account of the packers having mislaid for a time one of the posts, no iron post was planted, but a large cairn of boulders was built around the wooden one. At every mile, where loose stone could be found convenient, a cairn was built around the post and noted.

On the wooden posts at township corners were marked the numbers of the adjacent townships only.

Where a mile post or township corner came in a lake or river, a witness post was planted on the nearest shore, and cut thereon the mileage and chains. Two bearing trees were marked and noted at each post, except in a few places where there was no timber.

All lines were run with a Solar compass, well adjusted and well cut out and blazed, the blazes being on the sides of the trees facing the line, also on the sides facing the direction of the line.

The timber throughout the tract surveyed is white birch, poplar, balsam, black and white spruce, jack pine and white pine, cedar, and in a few places sugar maple and black birch. Tamarac is growing again, though still very small.

The 1st base, along north limits of 8 D, 8 E, and $4\frac{1}{2}$ miles of 8 F, runs mostly through an old brulé, the timber being 3 to 8 inches in diameter. The balance of the base, $1\frac{1}{2}$ miles along north limit of 8 F, and continuing along north limit of 8 G, is in big timber, the white pine being mostly scattered. In the old brulé there are also some clumps of large white pine.

On the 2nd base, from Wenebagon Lake west to 5th mile post, Township 9 D, there is considerable large black spruce and jack pine. The remainder of this base runs through alternate old and new brulé and old bush past the 2-mile post on north limit of 9 G, where it enters solid green bush of large timber, including considerable jack pine, and continues in this the remainder of the base.

On the 1st meridian, nearly all the limit between 8 D and 8 E is in large timber. The limit between 9 D and 9 E is mostly in old brulé, with timber from 3 in. to 8 in. in diameter.

On the 2nd meridian, the limit between 8 E and 8 F is also nearly all in large timber, and the remainder between 9 E and 9 F, for $4\frac{1}{2}$ miles, is in old brulé with small timber. The other $1\frac{1}{2}$ miles, to the 2nd Base, is in large timber.

On the 3rd meridian, between 8 F and 8 G, the first $2\frac{1}{2}$ miles, going north, is in large timber, the remainder, $3\frac{1}{2}$ miles to the 1st Base, is alternate old brulé and heavy timber. For 5 miles, in going north on this meridian between 9 F and 9 G, the line is in large timber, the 6th mile being new brulé with no timber of any value.

On the 4th meridian, the first $2\frac{1}{2}$ miles, in going north along west limit of 8 G, is in old brulé, with timber from 3 to 8 inches. The remainder of the meridian, $9\frac{1}{2}$ miles to north-west corner of 9 G, is in large timber.

From the considerable amount of large white pine found along the limits between 8 D and 8 E, 8 E and 8 F, and 8 F and 8 G, it is probable that the southern portions of 8 D, 8 E, 8 F, and the south-east of 8 G, contain a considerable quantity of it. There appears to be also a considerable amount of white pine in the north-west portion of 8 G. In travelling along Wenebagon Lake, a considerable amount of it was also seen along the west shore.

I have shown, in dark green, on the timber map, where white pine was seen. In some places it is scattered. In the scattered pine a great deal of it is apparently unsound, owing probably to its great age.

All the land is a rich sandy loam. Along the north limit of 9 E and west part of north limit of 9 D, and as far north as the canoe route to the north of those townships, a distance of from two to four miles, as shown on the plan, and probably still further north, the country is comparatively free from rock and boulders, and fairly well suited for farming. The line between 9 D and 9 E also runs through some similar land.

The balance of the country is broken with ridges of granite rock and boulders, mostly red granite.

The country generally is rolling with hills from 60 to 200 feet high. A great deal of the country along the 2nd base is fairly level.

There were no indications of mineral, except some small showings of iron pyrites.

The magnetic variation was fairly steady. The mean variation of a great number of readings is $4^{\circ} 30'$ west.

Great care was taken to impress on every member of the party the necessity of thoroughly extinguishing all fires.

We used the canoe route which follows up the stream west from the north end of Wenebegon Lake to Waboose Lake, and from there into the east branch of the Aubinadong River, to the south west angle of 9 E. After about August 1st, the water in the creek flowing east out of Waboose Lake, as far as the first lake, a part of the said route becomes very shallow and makes it tedious in transporting big loads.

There does not appear to be any large water powers in the tract surveyed. The rapids on the streams give very little fall.

The only fish that we caught were pike.

There are moose, deer, wolves, bear, beaver, and the smaller fur-bearing animals, and partridge and duck in the tract.

Accompanying this report I have transmitted the plan, field notes, timber map and accounts in triplicate.

I have the honour to be,

Sir,

Your obedient servant,

(Sgd.) T. J. PATTEN,
Ontario Land Surveyor.

The Honourable, The Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 24.

SURVEY OF OUTLINES OF TOWNSHIPS, DISTRICT OF SUDBURY.

SAULT STE. MARIE, ONT., November 4th, 1911.

SIR,—We have the honor to submit the following report on the survey of certain township outlines in the Sault Ste. Marie Mining Division, in the District of Sudbury and Province of Ontario, made by us under instructions from your Department dated May 5th, 1911. The survey was commenced early in May and completed early in July.

Our first base line was run due east astronomically 17 miles, 73 chains and 65 links from the 66th mile post on O.L.S. Speight's meridian line.

Our second base line was run due east astronomically 17 miles and 76 chains from the 60th mile post on O.L.S. Speight's meridian line.

Our first meridian line was run from the mile post on our second base line 6 miles east of O.L.S. Speight's meridian line due north 5 miles, 76 chains and 65 links and continued due south 12 miles.

Our second meridian line was run from a point in our second base line 11 miles and 76 chains and due east of O.L.S. Speight's meridian line, north astronomically 5 miles, 78 chains and 56 links and continued south astronomically 12 miles.

Our third base line was run from a post in our first meridian line 6 miles south of our second base line and due west astronomically 6 miles, 4 chains and 35 links of O.L.S. Speight's meridian line and continued east astronomically 11 miles 74 chains and 20 links.

We found it necessary to run the third base line from the point above mentioned, as we were unable to find the 54th mile post on O.L.S. Speight's meridian line. The entire neighborhood of this post has been swept by fire and the burnt trees all blown down. We intersected O.L.S. Speight's meridian line 7 links north of the 54th mile post.

PHYSICAL FEATURES.

The entire area which we covered with these lines is very similar in its topography. For the most part it is made up of high sand and gravel hills of glacial origin with intervening swamps and muskegs. These ranges of hills run for the most part in northwesterly and southeasterly directions. Such rock exposures as we encountered were granite, with the exception of a few outcroppings of diabase on our second meridian between Township 22, Range 18 and Township 11 H. There was no evidence of prospectors or lumbermen in the district, possibly on account of the difficulty of access.

TIMBER.

The timber which we encountered was for the most part spruce and white birch. On some of the ridges and sand plains we encountered groves of jack pine. The entire area is heavily timbered, accompanied by a dense undergrowth of alder and moose maple. The only stand of timber of commercial value which we discovered, is in the neighborhood of Pine Lake in Township 22, Range 8, and Township 11 H. On the shores of this winding lake there is a stand of white pine of considerable extent. The trees average at least 30 inches in diameter and are sound to the core, and extend as far as the eye can reach from the shores of this lake. There are practically no other trees in this vicinity than the white and red pine.

WATERS.

There is only one waterway worthy of mention, viz.: the Montreal River. It rises in a lake in Township 12 H and flows as a small and shallow stream in a southwesterly direction and does not become navigable even for canoes until it crosses our second meridian line. From this point southward it is easily navigable at all times in the open season. It flows through a great many small lake expansions in its course. In Township 23, Range 19, it is joined by a tributary from the northwest which passes O.L.S. Speight's meridian line a few chains south of the 60th mile post. This branch is a swift small stream winding through a swampy valley. There is, however, at all seasons of the year sufficient water flowing in it to carry canoes. We crossed numerous small lakes on the various lines, but none of them are worthy of mention.

FISH AND GAME.

The rivers and lakes, both large and small, abound in pickerel, pike and perch. To our knowledge these are the only fish in the waters of the District. There are great numbers of moose and a few red deer.

Accompanying this report, we submit plans and field notes and also accounts in triplicate.

We have the honor to be,

Sir,

Your obedient servants,

(Signed) LANG & ROSS,
Ontario Land Surveyors.

The Honourable the Minister of Lands, Forests and Mines,
Toronto, Ontario.

Appendix No. 25.

SURVEYS OF OUTLINES OF TOWNSHIPS, DISTRICT OF SUDBURY.

ORILLIA, OCTOBER 17th, 1911.

SIR,—In compliance with instructions received from you bearing date of May 22nd, 1911, for the survey of outlines of certain townships in the District of Sudbury, extending westerly from the district line of Sudbury-Nipissing, between district line posts 78 M and 96 M, we left C.P.R. station of Metagama on June 8th and proceeded by way of Fort Mattagami and across the six-mile portage leading from Lake Mattagami to Sinclair Lake, thus reaching the base line run by O.L.S. Fitzgerald the previous year, which forms the southerly boundary of the townships in question.

This route is too well known to need any description, being one of the main arteries of travel into that section of the country. It is interesting, however, to note the changes that are creeping over it in the past few years, due to the construction of roads where formerly were only the deeply-worn trails, trodden for generations by the Indian packers of the Hudson's Bay Company, and the signs of still greater change soon to be wrought by the construction of the Canadian Northern Railway. These changes when complete, will render travel more expeditious, but working hand in hand with the fire fiend that invariably accompanies modern development, will utterly destroy the scenic beauty of the country and the romance of the old trails.

Our first business on arriving on the ground was to ascertain as nearly as possible the location of canoe routes through the area to be surveyed, and so enable us to place our supplies as economically as possible and to protect them so far as might be from the fires liable to spring up at any time, and from the depredations of the less responsible members of the wandering tribes of license holders at present so numerous in the north woods.

The actual work of the survey was commenced from the base line run by O.L.S. Fitzgerald, in 1910, and the development of the work can be seen at a glance over the index map accompanying the field notes of the survey. Our 2nd and 3rd meridians were commenced from the above base line and run north; while our first meridian was turned north and south from the first base line. Our first and second base lines were turned east and west from the 2nd meridian. This arrangement gave us the fullest use of canoe routes and the greatest protection against fire and theft in the matter of supplies.

Wooden posts were planted at half-mile intervals marked with the mileage from $\frac{1}{2}$ M to $5\frac{1}{2}$ M dating on meridian lines from south to north and on base lines from east to west. With two exceptions, iron posts, $1\frac{1}{4}$ inches in diameter, 3 feet long, forged at top and pointed at bottom, painted red, were planted beside the wooden posts to mark the several township corners. These iron posts were marked with the names of the townships facing diagonally into same, and in one instance where the base line between Zavitz and Hutt intersects the district line in Big Pike Lake, the iron post was planted west of the lake, and in addition to the names of the townships was marked with the distance from the district line intersection. No iron post was planted where the base line between Halliday and Hutt intersects the district line at a distance of twenty-seven links north from the iron post at 84 M, planted by O.L.S. Niven; nor was any planted where the meridian between Zavitz and English intersects the base line forming the northerly boundary of those townships at a distance of 5.565 chains easterly from the iron post at the south-west corner of the Township of Geikie. In both the above instances the wooden posts planted were heavily mounded with stone as an additional protection.

The area traversed by this season's operations, occupying about eighteen miles square and embracing the headwaters of the Redstone and Kapiskong or Grassy Rivers, presents topographically a neutral position between the gentle slopes of clay belt and the rougher sections of the rock country. It is the home of sluggish rivers and placid lakes with innumerable small lakes and streams throughout its area. While a very small proportion of it could be called level, or even approximately so, the hills and ridges are of low elevation, seldom exceeding twenty-five to thirty feet in height. These elevations are formed of drift material composed of sand, gravel and boulders, with an occasional rock outcrop showing.

Small areas of land could doubtless be obtained that would bear comparison with the less favoured cultivated parts of the older sections of the Province; but it is likely to be many years before any demand will arise among agriculturists for the kind of land represented by this section, and it is likely to remain more valuable as a producer of forest trees than of any other crop that might be introduced.

With the exception of two comparatively small areas where fire has destroyed the timber, the territory occupied by the survey is covered with forest. The timber cannot be considered of first value when viewing the area as a whole, as much of it is small and by far the greater part of the bush is composed of mixed timber, including spruce, white birch, poplar, cedar, jack pine, balsam and tamarac, the value of which as a lumbering proposition rests with the future. The locality would seem eminently suited for the growth of red pine and white pine, but as this timber is not greatly in evidence it would require practical encouragement in the way of planting. The present growth however, will doubtless increase rapidly in value if it can be protected from fire. There is a good stand of white pine and red

pine around the shores of Sinclair Lake, and scattered trees, extending northerly along the Kapiskong and its lake widenings, through the Townships of Nursey and Moher, and also the meridian forming the west boundary of Sothman and Semple. There is also a good block of white pine round a lake of about three miles in length, extending southerly into the Township of Nursey and approaching to within half a mile of the north boundary of same opposite 3½ M. This last mentioned township is indeed the only one surveyed that could be considered important as a source of white or red pine. Along both the north and south boundaries of Semple there is a good stand of large jack pine. Cedar of good size and quality appears in a number of places, but the most important belt occurs on the meridian forming the boundary between Sothman and Halliday, where a thick, cedar swamp extends for two miles from the base line at the north of these townships with narrower belts at intervals until Lake Washagami is reached. The trees here run up to thirty inches in diameter, from thirty-five to forty feet long, stand thickly, and as far as could be observed from our cutting, appear to be generally sound. Young tamarac is also appearing in the swamps, but it will take many years to undo the mischief wrought by the passage of the sawfly, which destroyed the old timber, and the latter is getting rapidly beyond the stage of usefulness.

The first burnt area encountered was along the east branch of the Grassy River, where it is crossed by our first base line. This burn, which would appear to be about seven or eight years old, lies mostly on the east side of the river. A short distance south of the above base line, the green timber comes down to the banks on either side of the river, but as we did not travel the country to the south we are unable to say how far the burnt area runs in that direction. To the north burnt country extends along both sides of the river for about three miles. Another old burn of considerable extent occupies the north-westerly corner of English and extends northwesterly from Lake Muskasenda across the meridian forming the west boundary of English and the base line to the north. This burn was again run over by fire in 1910. A small burn was crossed on the Redstone at 4 to 4½ M. on first meridian and another of the present summer, between 2 and 3 M. on the west boundary of English.

Rock outcrops are not numerous, the rock formation being mostly covered by deposits of drift, and there appears to have been little prospecting done away from the immediate neighborhood of the canoe routes.

From the standpoint of waterways the district is an important one and has an interesting and intricate system of lakes and connecting streams. The Redstone River flows northerly from a small lake crossed by the base line forming the boundary between English and Semple, near its intersection with the meridian forming the east boundary of those townships, and affords a good canoe route for about one and three-quarter miles to the north, where a portage leaves to the east connecting with the main branch of the Grassy River. North of this portage, as far as followed, the river is shallow and travel is much impeded by driftwood and alder. The most important drainage outlet of the district is through the Grassy River and its tributary streams. From Lake Washagami crossed by the meridian between Halliday and Sothman at 1½ M. to 3 M.; two narrow lake-like expanses connected by a short stretch of stream extend about one and a half miles north of the base line Hutt and Halliday; and from thence it forms a stream of a chain in width entering the eastern branch of the Grassy River, some distance north of the centre of Hutt. This easterly branch of the Grassy River flows south across

the base line Zavitz and Hutt near 4 M. and base line Hutt, Halliday, at 3 M. and continuing south across the south boundary of Halliday, turns west and north across the south boundary of Sothman entering a chain of small lakes and debouching into Sinclair Lake at its north-east corner. Turning a point in the last mentioned lake the water proceeds north through the Kapiskong or Grassy River and its lake widenings on its way to the Matagami River. In its passage through Hutt and Halliday this river occupies a wide marshy valley, containing a luxuriant growth of wild rice, rushes and other grasses, through which it winds from side to side with slow current. Numerous canoe routes cross the country in every direction. One of these leaves Wing Lake, through which the eastern branch of the Grassy River passes on its way to Sinclair Lake, and traverses several small lakes and portages to Lake Washagami and presents the peculiar circumstance, that a person taking this route may travel a distance of about fifty miles, returning to his starting point, and with the exception of a mile or so at the beginning and the crossing of a few light portages, may travel down stream all the way. Another important canoe route leaves the bay extending east across the meridian Nursey and Sothman between 2 M. and 3 M., and traverses the country north through Sothman, Semple and English to Lake Muskasenda. There are two lakes of considerable size crossed by this canoe route, Birch Lake lying to the south and extending up to the base line Semple-English; and Trout Lake lying between that line and Lake Muskasenda. Our information of these lakes, however, is not sufficient to show them properly on the plan returned.

As the numerous portages attest, and as the natural features of the country would lead one to surmise, this section has been the trapper's paradise, and many furbearing animals are still to be found within its confines. Moose are very plentiful and the high ground covered with thick growth of moosewood or scrub maple, which occupies so large an extent of the land surface, affords ample winter provision for large numbers of these animals; while the numerous shallow lakes and sluggish river stretches provide an abundant supply of succulent lily roots for summer feed. The wide valley of the Grassy River in its eastern branch, with its miles of rice beds, gives great promise of ducks for fall hunting, and indeed many of these birds breed here. We need only say that grouse are becoming plentiful, pickerel may be caught in all the deeper waters and the hungry pike everywhere but in the tree tops, while by dropping a few miles further down river toward the Matagami the angler may fill as large a creel as his conscience will permit with speckled trout; that he may make the acquaintance of the black bear, see the beaver at work, enjoy magnificent scenery, and with a little effort spent in clearing out portages, travel comfortably in almost any direction his fancy may suggest.

This picture is true to-day. Should there be a recurrence of the drought of the past two seasons, no better means devised of protecting the country from fire, and no improvement in the personnel of these licensed to wander through the woods at will and disposed to destroy at leisure, a person reading the above description a year hence and on the ground it fits may have cause to regard it as a satire. Much of this country is littered with dry windfallen timber, is high and ridgy, and only needs a fair start on a breezy day to leave behind a blackened waste. That matters are serious in this respect is amply attested by the Porcupine disaster of the present summer, and yet aside from the loss of life, it is probable that no greater loss of timber was occasioned by that fire than by numerous others raging at the same time. On the day of the above disaster we were camped in the valley of the Grassy River on the base line Halliday-Hutt, where the opening gave a horizon denied

back in the woods, and could count three other fires on different sides of us, travelling with great rapidity and sending up vast volumes of smoke. Neither his supplies, his canoes, nor even the lives of his party, can under present conditions, be considered safe by the surveyor in the prospected area.

We have the honor to be,

Sir,

Your obedient servants,

(Sgd.) CAVANA & WATSON,
Ontario Land Surveyors.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 26.

SURVEY OF OUTLINES OF TOWNSHIPS, DISTRICT OF SUDBURY.

PETERBOROUGH, ONT., October 25, 1911.

SIR,—I have the honor to submit the following report on the survey of Township outlines in the Temagami Forest Reserve, District of Sudbury, performed by me, under instructions from your Department, dated June 8th, 1911.

I commenced the survey by running a meridian due south astronomically eighteen miles, from a point ten chains west astronomically from the south-west angle of the Township of Cabot, and from the 6th, 12th and 18th mile posts on this meridian I ran east astronomically to intersect a meridian run by Ontario Land Surveyors De Morest and Stull in 1910, and west astronomically six miles. Having completed this part of the work I produced the south boundary of the Township of Cabot to a point six miles and ten chains west astronomically from the south-west angle of the above township, from which point I ran a meridian north astronomically twelve miles three chains and fifty-three links to a base line run by Ontario Land Surveyor H. J. Beatty this season, and south astronomically seventeen miles seventy-four chains and ninety links to intersect the south boundary of the Township of Garvey previously run by me. I then produced the south boundary of the Township of Burrows west astronomically to intersect my meridian, thus completing the work.

All lines in connection with the above survey were well opened out, blazed, chained and posted. At each of the angles of the various townships, iron posts, one and one-half inches in diameter, three feet long and painted red, were planted—on these posts the names facing the respective townships, were cut with a cold chisel. On the meridian lines durable wooden posts six inches square were planted at the end of each mile with the number of miles said posts are distant north of the south-east or south-west angle of the adjacent townships, cut on the south side with a scribing iron. Durable posts four inches square and similarly marked with the half mile points were also planted on all lines running east and west, durable

posts six inches square were planted at the end of each mile with the number of miles said posts are distant west of the south-east or north-east angle of the adjacent townships, cut on the east side with a scribing iron. Durable posts four inches square and similarly marked with the half-mile points, were also planted.

Going south along the west boundary of the Township of Connaught, the line passes over an undulating sandy country timbered with Banksian pine, spruce, white birch, poplar, balsam, cedar, alder and willow. Considerable good red and white pine running up to 24 inches in diameter is seen between the fifth and sixth miles along the east side of Mattagami Lake.

Along the west boundary of the Township of Miramichi the country is of much the same general character and getting a little more rocky towards the south. A ridge of good red pine up to thirty inches in diameter is seen on this line between the third and fourth miles.

Along the west boundary of the Township of Garibaldi the country is of a more rocky nature—the timber being chiefly Banksian pine, spruce, dead tamarac, balsam, birch, cedar, alder and willow. No valuable pine is seen along this line, considerable windfall being encountered along the first mile.

Going east along the north boundary of the Township of Miramichi the line passes through a rocky broken country as far as Napawquazi Lake, where it becomes low and swampy and continues of this general character up to the third mile, from which point to the north-east angle of the township the country is of a more sandy character, the line passing through some excellent white pine running up to twenty-four inches in diameter.

Going east along the north boundary of the Township of Garibaldi, the country is comparatively level or gently undulating, the timber being chiefly Banksian pine, birch, spruce and balsam up to fourteen inches in diameter. There is along this line a stretch of very nearly four miles absolutely destitute of water.

Going east along the south boundary of the Township of Garibaldi to the Opikininika River the country is rolling and rocky, the timber being chiefly Banksian pine, spruce, birch and balsam, up to twelve and fourteen inches in diameter, with a belt of good red pine up to fourteen inches lying immediately to the west of the river.

Going west along the north boundary of the Township of Togo the country is rolling and rocky, timbered chiefly with Banksian pine, spruce, poplar, and alder; there is no white or red pine along this line.

Along the north boundary of Brunswick Township the country is very similar in character, but along the first and second miles of this line considerable white pine up to thirty inches in diameter is seen.

On the north boundary of Londonderry Township, no valuable timber is met with, the prevailing varieties being Banksian pine, spruce, white birch, poplar and balsam averaging from eight to twelve inches in diameter.

Along the northern limit of the Township of Garvey the country is of a similar character, no valuable timber being seen.

Going east along the south boundary of the Township of Garvey, the country for the first two miles is much the same as that already described; at this point, however, good white pine up to twenty and twenty-five inches in diameter is entered and continues to Donnegana Lake in the south-west angle of the township. The west boundaries of the Townships of Garvey, Londonderry, Brunswick, Togo and Mattagami comprising thirty miles, may be described as rough and rocky, the prevailing timber being Banksian pine, spruce, birch and poplar; this timber runs

from eight to fourteen inches in diameter. Along this line various long stretches of spruce and dead tamarac swamp are traversed—the line also passes through several belts of good white pine running up to thirty inches in diameter. Various streams and lakes traverse these several townships, all of which no doubt will be minutely described by those engaged in this portion of the work.

All the country surveyed by me this season is covered with green timber—there being practically no *brulé* of recent date.

The geological formation of this locality is the Huronian—no mineral of value being seen. I think I am also quite safe in saying that in the eight townships outlined by me this season, there is absolutely no land fit for agriculture.

I found the average magnetic variation about eight degrees west.

Moose, partridge, beaver and otter are fairly plentiful.

With the exception of the intense heat during the early part of July, I found the season very favourable for this work. Owing, however, to the dense smoke caused by the Porcupine and other bush fires, I found it impossible to obtain astronomical observations as often as I wished.

Accompanying this report are plans, field notes and accounts, all of which I trust will be found complete and satisfactory.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) J. W. FITZGERALD,

O.L.S.

The Honourable the Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 27.

SURVEY OF TOWNSHIP OUTLINES, DISTRICT OF SUDBURY.

GUELPH, January 18th, 1911.

SIR,—I have the honor to submit the following report on the survey of base and meridian lines south of the National Transcontinental Railway in the District of Sudbury, under instructions from your Department, dated May 11th, 1910.

I commenced this work at the south-west angle of the Township of Machin, being the north-west angle of the Township of Shackleton and from that point ran south nine miles to the south-west corner of Shackleton. I then ran east nine miles to intersect O.L.S. Speight's meridian line of 1905, and came out one chain and seventy-seven and one half links north of the IX mile post on that line.

I then returned to the post at the south-west corner of the township and ran the south boundary of Nansen west nine miles.

I then returned to the Ground Hog River and went down the river to the railway, and from there proceeded to run my second base line. This line forms the south boundaries of the Townships of Fauquier and O'Brien and the north boundaries of Nansen and Swanson. Upon the completion of this line I cut a light line north two miles to find the VII M. post on O.L.S. Niven's meridian line of 1906, and then produced that meridian line south to intersect my base line.

I returned along this base line to the boundary between O'Brien and Fauquier, and ran south nine miles on the line between Nansen and Swanson to intersect my first base line, and then produced that base line westward to the south-west corner of the Township of Swanson and there turned north and ran the west boundary of that township.

All base lines were run as nine mile chords of the parallel of latitude.

On base lines a wooden post was planted at the end of each mile and marked on the east side with the number of the mile.

At township corners a $1\frac{7}{8}$ inch iron post was planted beside the wooden post and both posts were marked with the names of the adjacent townships.

On meridian lines wooden posts were planted one and one half miles apart and marked with the mileage on the south sides.

The country included in this survey is almost wholly drained by the Ground Hog and Kapuskasing Rivers, the Townships of Nansen and Shackleton draining into the former and the Township of Swanson into the latter. As a whole the country is undulating and the drainage will be easily accomplished. On part of the west boundary of Swanson the land is broken with numerous ravines and small creeks, while the east boundary of that township is level and swampy.

A few thousand acres in the south-west corner of this township and a small area in the south-east corner of Fauquier had been burnt over some years ago, and some good spruce and jack pine timber destroyed. This burnt land is mostly dry and can easily be cleared, and considering its proximity to the railway, should soon be brought under cultivation.

The soil throughout is clay, which in the swamps is overlaid with black muck of varying depths. Probably about one-half of the land will be found suitable for farming with drainage and as the percentage of rocky land is small, the agricultural possibilities of these townships are fairly good.

The timber is chiefly spruce with here and there some medium sized poplar and some small white birch. The trees as a rule are not large and in many places are of scrubby growth, yet considerable areas of timber suitable for railway ties were passed through.

The Ground Hog River is a good stream with an average width of about six chains and a depth of from four to eight feet, and flows with a good current. There are no rapids on the river within the limits of this survey.

Rock crops out at a number of points along the river and some prospecting has been done. A number of rocky ridges were crossed in the interior but no economic minerals were found.

Large game is not plentiful in this section of the country and no fur-bearing animals were seen. Fish were also scarce in the streams.

Accompanying this report are the field notes and plan of the survey in the usual form.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) JAMES HUTCHEON,
Ontario Land Surveyor.

The Honourable the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 28.

SURVEY OF TOWNSHIP OUTLINES, DISTRICT OF NIPISSING.

ALMONTE, Dec. 5th, 1911.

SIR,—I beg to submit the following report on the survey of township outlines in the territory east and west of the township of Maisenville in the District of Nipissing, performed under instructions dated May 27th, 1911. I outfitted at Sudbury and North Bay, and on the 22nd of June, commenced the survey at the north-west angle of the Township of Otto, from which point the line between the Townships of Teck and Grenfell was run due north 6 M. 3.65 chains to the southerly limit of the Township of Maisenville; then from the south-east angle of the Township of Maisenville the line between the Townships of Bernhardt and Teck was run east astronomically (six mile chords) to the westerly boundary of the Township of Lebel. Having completed the above two township boundary lines the survey was continued by starting from the south-west angle of the Township of Maisenville, and running west astronomically (six mile chords) a distance of eighteen miles (18 M.). From the sixth and twelfth miles on the above mentioned first base line, meridian lines were run south to the northerly boundary of the Township of Holmes 6 M. 3.47 chains; to the northerly boundary produced westerly of the Township of Holmes, 6 M. 4.15 chains and northerly to the southerly limit of the Townships of Playfair and McCann. A second base line eighteen miles long was run west astronomically (six mile chords) from the north-west angle of the Township of Maisenville; and the last line, viz:—between the Townships of Melba and Bernhardt—was commenced at the north-east angle of the Township of Maisenville and run east astronomically (six mile chords) 5 M. 71.89 chains, to intersection with O.L.S. Newman's meridian line run in 1907.

The above lines were well cleared and the adjacent trees blazed in the usual manner. Wooden posts of the most durable material available properly and distinctly marked, were placed where possible at the even miles (6 in. square) and half miles (4 in. sq.) from the southerly and easterly extremities of the above lines; when these points came in the water the posts were planted on the shore nearest the even mile or half mile as the case might be, with its chainage in miles, chains and decimals, marked on the proper face of the post. The mile posts were marked with Roman numerals and the half-mile posts were marked with Arabic numerals.

Every post was planted firmly and when possible a cairn of stones was built around it to render it more permanent, and bearing trees were marked and noted in the field notes.

Iron bars marked with the names of the adjacent townships were placed alongside the wooden posts at the following points, viz.:

- The north-west corner of Teck.
- The north-east corner of Teck.
- The south-east corner of Dunmore.
- The south-west corner of Dunmore.
- The north-west corner of Sheba.
- The north-west corner of Nordica.
- The intersection of Bompas, Dunmore, Lee and Terry.

The intersection of Dunmore, Sheba, Nordica and Terry.

The intersection of Lee, Terry, Black and Tolstoi.

The north-west angle of Black.

The north-west angle of Tolstoi.

on the easterly shore of Wataybeeg Lake in the boundary between Terry and Tolstoi at 5 M, 63.5 chains; on the northerly shore of Wataybeeg Lake in the boundary between McEvay and Tolstoi at 0 miles, 26 chains; on the westerly shore of Clearwater Lake in the boundary between Melba and Bernhardt at 0 miles, 3.24 chains; and at the following points the existing iron bars and wooden posts were marked with the names of the new townships on the proper face, viz.:

The north-west angle of Maisonville.

The north-east angle of Maisonville.

The south-west angle of Maisonville.

The south-east angle of Maisonville, and

The north-west angle of Otto.

At frequent intervals throughout the survey observations on Polaris were taken for azimuth and the magnetic variation which ranges between eight and eleven degrees west of north was read, the results being entered in the field notes.

All triangulations and observations were very carefully checked in the field and noted in the field note books.

SOIL.

The country generally is composed of rolling sand plains, spruce, muskeg, and rocky hills, and it is not at all adapted to cultivation, except a few small patches.

In places where the soil is heavier and vegetation better, there are a great many loose boulders.

There are two inhabitants in the area, one an Indian trapper, Basil McDougall by name, who has a cabin on Wataybeeg Lake, and William Biederman, who is both mining and trapping from his cabin on Fall Duck Lake in the Township of Terry.

ROCK FORMATION.

The district generally speaking is composed of ridges of diabase of the post Huronian period, running in a northerly and southerly direction.

Practically no prospecting has been done in that part of the country surveyed, which lies to the west of the T. & N. O. Railway, and there are very few outcrops of mineral bearing rock. In the case of the westerly and northerly boundaries of Teck, and the northerly boundary of Bernhardt, the rock formation is diabase and many high ridges of bald rock with steep ascents were encountered.

Although we saw no surveyed claims and very few staked claims during the progress of the survey, it was quite apparent, on coming out, that prospectors were following up the survey lines, staking claims and doing considerable prospecting.

TIMBER.

The timber consists almost wholly of second growth Banksian pine, spruce, poplar, and white birch of little or no commercial value. Along the 2nd and 3rd

and 4th miles of the northerly boundary of the Township of Nordica, the Banksian pine attains a size varying from 8 inches to 12 or 13 inches in diameter, and in some wet places where it escaped the fire, spruce of a good size was noticed.

WATER POWERS.

Being on the height of land there are no water powers in the district at all, but quite a number of beautiful lakes suitable for summer tourists, the principal of which is Wataybeeg Lake, 8 miles long and a mile wide. In places it contains numerous islands, some of them having good sand beaches and being fairly well wooded. The lake abounds in fish, principally pike, pickerel and trout.

GAME.

The whole district abounds in game, principally moose. Traces of bear were seen on several occasions and a few beaver were noticed. Partridge were very plentiful.

Accompanying this report is a general plan on a scale of one mile to an inch, a timber plan on the same scale, field notes, oaths of chainmen, and all other necessary documents.

I have the honor to be,

Sir,

Your obedient servant,

(Sgd.) ANDREW BELL.
Ontario Land Surveyor.

The Honourable, The Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 29.

SURVEY OF THE OUTLINES OF TOWNSHIPS, DISTRICT OF NIPISSING.

BRANTFORD, November 11th, 1911.

SIR,—I have the honor to submit the following report on the survey of certain base and meridian lines north of Larder Lake in the District of Nipissing:—

Upon receipt of the instructions I immediately proceeded to make arrangements for supplies and transportation and on the last day of July left Brantford for Dane Station on the Temiskaming and Northern Ontario Railway accompanied by the men from Brantford and vicinity. I was joined at Haileybury, Ont., by the rest of my party, making a total of fifteen men including myself. This number on the completion of the work had become reduced to twelve, ten of these being of the original fifteen.

In getting on the ground with my supplies from Dane Station I used the Larder Lake stage road to the point where it crosses the White River, in the south-east corner of the township of Gauthier and from this point went north by canoe

as far as Kennedy Lake, where I established a main cache. The point of commencement specified in your instructions was reached on August the eighth and the work started the following morning and continued without interruption until completed.

Your instructions were rigidly adhered to throughout the work and well-opened lines cut, particular attention being paid to blazing. The base lines were cut east (or west) astronomically in six mile chords and the meridians astronomically north (or south). During the progress of the survey a very great deal of rainy and unsettled weather was encountered, making it difficult to obtain observations at regular intervals. The greatest amount of line cut between observations was six miles and the greatest departure from the line astronomic course that was discovered was four minutes, this occurring only in two cases.

No great fluctuation of the magnetic variation was noticed, the needle reading from ten to eleven degrees.

The return trip was made in four inches of snow, arriving at the railway on October 25th.

GENERAL FEATURES.

The country comprising the twelve new townships outlined presents a considerable variety of topography. Roughly speaking, the westerly six townships are slightly rolling, sand or clay country, with the former predominating and with occasional outcroppings of rock in the form of well-rounded mounds or humps, usually quite steep and sometimes precipitous near the bottom, and varying in height from fifty to one hundred feet. The easterly six townships cover a more rugged formation, rock being in evidence nearly all the time and the line being so rough in many places that it was necessary to make considerable detours in moving camp.

Rock.

All the rock encountered was identical in texture, being a barren Keewatin schist with no indication of any mineral of any kind. No quartz was encountered.

Soil.

Sandy loam and sand largely predominates on the outlines of Morrisette, Arnold, Bisley and Clifford. A few swamps of small extent were encountered in this area and a number of small lakes. On the west limit and the easterly part of the south limit of the township of Elliott, as well as on the east limit of Tannahill a good clay loam predominates, apparently continuing down into Ben Nevis, Pontiac, Katrine and Ossian.

TIMBER.

In general the timber is poor from a commercial standpoint. Of white or red pine there is practically none. In the sandy soil jack pine occurs in thick groves, but rarely of any size; birch and poplar of course predominate on the hills, being small and thick on the sand and rock hills. In the clay are good areas of spruce which grows to twenty-four and thirty inches and balsam to eighteen and twenty inches. All the tamarac is dead. Very little *brulé* was met with.

WATER.

The whole area seems to be dotted with small lakes and ponds, containing pure, clear water. These are mostly quite small. A feature frequently noticed was that

a number of them had no apparent outlet or feeder of any kind. This is particularly true of sandy country where they occur with great frequency. No streams of any size were encountered except the Abnageezy River, and on this no water power was in evidence.

GAME.

Moose were frequently seen, and apparently are quite numerous, as many as twelve having been seen by different members of the party in one day. Their trails in the woods were frequently encountered and were often so well travelled that but for the absence of blazes and axe cutting would be mistaken for portages.

No deer or wolves were encountered or indicated, but three bears were seen and their tracks seen quite often. Many of the small lakes were apparently barren of fish, but in others pike and pickerel were readily caught. Rabbits and partridges are plentiful and muskrats particularly so. In Ben Nevis and Pontiac fresh beaver workings were seen, but no evidence of other fur-bearing animals, although evidences of the Indian trapper were seen all over the area travelled.

CANOE ROUTES.

The canoe route from the stage road near Larder City to Verna Lake on O. L. S. Newman's meridian was found to be a full day's trip. This included five flat rapids and three short portages on the White River leading to Beaverhouse Lake, a three-chain portage into Kennedy Lake, a crooked creek, a five-chain portage, another small lake and a fifteen-chain portage into Verna Lake.

From the north-west corner of Verna Lake northward a forty-chain portage leads over the height of land into a series of lakes and ponds opening out into Keeth Lake in O.L.S. Newman's meridian, which lake empties into a navigable branch of the Abnageezy River, crossing the north limit of the township of Clifford at the four mile post.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) JOHN E. JACKSON,
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 30.

SURVEY OF OUTLINES OF TOWNSHIPS, DISTRICT OF NIPISSING,

NEW LISKEARD, November 9th, 1911.

SIR,—I beg to submit the following report on the survey of Township outlines in the District of Nipissing, in the Temagami Forest Reserve, west of the surveyed townships of Holmes, Flavell and Willison, and south of the townships of Cleaver, McNeil and Robertson, performed under instructions dated Toronto, May 17th, 1911.

I commenced my survey at the north-west angle of the township of Shillington and ran north astronomically a distance of thirteen miles, twenty-four chains, eight links to intersection with the south boundary of the Matachewan Indian Reserve. From the sixth and twelfth mile of this line I ran east astronomically to intersection with the south-west angle of the Townships of Flavelle and Holmes respectively. From the sixth mile I ran also west astronomically to intersection with O. L. S. Niven's line near the eighty-fourth mile post on the aforesaid line, being the boundary between the Districts of Sudbury and Nipissing. From the sixth and twelfth miles of this line I ran south astronomically to intersection with the line constituting the north boundary of the Townships of Rankin and Raymond, and also north astronomically to intersection with the line constituting the south boundary of the Townships of McNeil and Robertson.

From the twelfth mile of my first north line I ran west astronomically to intersection with the boundary between the Districts of Sudbury and Nipissing near the ninetieth mile intersecting my second and third north line en-route. I also produced the unfinished portion of the south boundary of the Township of Robertson to intersection with my first north line drawn from the point on the north boundary of the Matachewan Indian Reserve where that line would have intersected if it were drawn through the Reserve. I also ran west astronomically from the north-west angle of the Township of Holmes to intersection with the aforesaid north line.

The aforesaid lines were well cut out and the adjacent trees blazed in the usual manner, while wooden posts of the most durable timber available hewed on four sides and properly carved, were planted where possible at the end of each forty chains from the starting point of the aforesaid lines. When these points came in the water or in an otherwise unsuitable place, the posts were planted at the nearest suitable point with the chainage in miles, chains and decimals carved on the face of the post. Posts were in all cases firmly planted, and where possible were supported with a mound of stones built so as to make its tenancy more secure, and suitable bearing trees were carved and noted for the even mile posts, no bearing trees being placed at the half mile posts.

Iron posts and extra large wooden posts with the chainage and names of the adjacent townships carved thereon, were planted at the following points, viz.:

At the north-east angles of the townships of Hincks, Argyle, Baden, Montrose, Bannockburn, Powell, Cairo, Midlothian, Doon, Yarrow, Kimberly; at the south-west angles of the townships of Hincks, Montrose, Doon; at the intersection of my first north line with the Indian Reserve and at the south-east angle of the Township of Doon and at the north-west angle of the Township of Alma.

At frequent intervals throughout the course of the survey, observations on Polaris were taken for the purpose of obtaining azimuth, and the magnetic variation, which ranges between eight and nine degrees west of north, was noted, the results being entered in the field-book.

The chainbearers were duly instructed, particularly with regard to care in measuring inclined surfaces and in keeping the field notes so that the natural features of the country passed through would be clearly shown.

The natural features I will discuss under the following heads, viz.:

Soil, Rock-Formation, Timber, Game.

SOIL.

From an agricultural point of view, this district as a whole is uninviting. The soil is mostly light sandy loam or reddish clay loam, the only good farming areas met with being in the Townships of Hincks and Argyle.

ROCK FORMATION.

For the most part the conglomerate rocks were in evidence between the East and West Branches of the Montreal River, on the east of east branch and south of Fox Rapids, syenite and conglomerate.

The Townships of Doon, Midlothian, Montrose and Bannockburn present massive mounds, cliffs and mountains, which are principally fine close-grained rocks of the Huronian period, in some places having a slate-like appearance. Some small veins of quartz were encountered which appeared to be poorly mineralized, being devoid of sulphides or other indications of the noble metals.

TIMBER.

Some fine blocks of Yellow Pine were encountered (see plan) and several good belts of the best of white spruce and a number of belts of tie timber being composed of B. Pine and spruce. The district is heavily wooded, except where colored brown on tracing and seems to recover very rapidly from the ravages of bush fires, which have been of frequent occurrence.

GAME.

This is a natural game preserve and is well stocked with all kinds of game despite the fact that more than a dozen Indian families eke out an existence with nothing but the fur and fish and moose-meat to draw on. Beaver were seen by us within the confines of the Indian reserve, swimming around in broad daylight quite as freely as muskrats are wont to do. Moose are plentiful as also partridge, mink, muskrat, martin, rabbit, weasel and a few bear and wolves.

The only important water power is the falls about three miles from Fort Matachewan at the Great Northern Bend, which I was informed by M. S. Lafricain, had been surveyed two years ago with a view to estimating the probable power available.

In regard to P.L.S. Duncan Sinclair's exploration line 1867, I may say that it is entirely obliterated and that we noted only one tree marked 111 M—61.84, presumably being on his traverse of the Montreal River.

Accompanying this report is a general plan on linen mounted paper, a tracing of same on scale of one mile to an inch as a timber plan, field notes, accounts, etc.

All of which is respectfully submitted.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) C. H. FULLERTON,
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto, Ontario.

Appendix No. 31.

SURVEY OF ISLANDS IN THE GEORGIAN BAY, DISTRICT OF PARRY SOUND.

TORONTO, March 28th, 1911.

SIR,—In accordance with instructions from your Department dated April 16th, 1910, to survey certain islands in the Georgian Bay, together with shore line in front of the Townships of McDougall, Carling and part of Shawanaga, I have the honor to submit the following report. The work was commenced by retracing the southerly limit of the line between Lots 30 and 31, Concession 11 and Lot 20, Concession A, Township of McDougall, from its intersection with the westerly limit of Church street in the Town of Parry Sound, through to the shore of Georgian Bay, where a five-inch pine post was planted, one chain from the lake shore, where the traverse of the shore line was started and carried continuously from Sta. 0 here to Sta. 410 on the Concession line between Concessions VIII and IX, Shawanaga.

Posts of the most durable wood obtainable were planted at intervals of one mile or thereabouts at prominent points along the shore in cairn of stones and marked consecutively from W 1 to W 25 in Roman numerals. All the original Township lines were searched for and found and marked whenever possible. In several cases no traces of the original lines were to be found. All islands in front of the above townships were accurately traversed either with transit and micrometer or transit and chain, and in every case, posts of the most durable wood obtainable were planted in a cairn of stones at a prominent point at a safe distance from high water and marked consecutively in Roman numerals from 1C to 405C, and as far as practicable all islands were tied by triangulation to points on the traverse of the main shore.

I found it impracticable in a great many cases to divide up the larger islands into parts containing not more than 10 acres as per your instructions, or to post them so that they might be so divided on the plan. In other cases, the larger islands were not marked with division posts because of information either from plans in my possession or from other sources that they were patented. In the case of Sandy Island, the plan in my possession did not conform very accurately with the present shore line, and islands shown as Ingersoll, Gertrude are now part of Sandy Island, due to the recession of the water of Georgian Bay, some 5 or 6 feet since the survey was made in 1881. The island shown as 243C at the north-east corner of Sandy Island, is now part of Sandy Island, there being no channel between them.

In the case of Franklin Island, traverse was made with triangulation from point to point and sub-traverse of bays made with transit and micrometer.

Posts were planted at prominent points as nearly half a mile apart as possible, and marked successively from F 1 to F XV. The work was carried on with all despatch and speed commensurate with accuracy, although considerably hampered with continual rains until well on in the month of June.

The traverse of the shore line was carried to the northern boundary between Concessions VIII and IX, Shawanaga, on October 21st, 1910, all islands along the main shore being tied by triangulation to the shore traverse on the way north and traversed on the way south.

I found it impracticable to cross the wide stretch of Shawanaga Bay, owing to the rough weather at this season. Thus numerous islands in the area known as Grand Camp Group were left for further operations.

Accompanying this report are plans on mounted paper on scale of 20 chains, in 5 sheets, together with tracings of same, tracings of the whole survey in 5 sheets on scale of 10 chains to show field notes, plans of each island in detail on scale of 2, 3, 4, 5 or 10 chains, copy of diary covering the season's operations, descriptions of islands, showing their acreage, names, numbers, etc., together with accounts in triplicate, which I hope will be found satisfactory.

I have the honor to be,

Sir,

Your obedient servant,

(Signed) J. H. BURD,
Ontario Land Surveyor.

The Honourable, The Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 32.

SURVEY OF ISLANDS IN GEORGIAN BAY, IN FRONT OF TOWNSHIPS OF HARRISON
AND SHAWANAGA, IN THE DISTRICT OF PARRY SOUND.

BARRIE, October 31st, 1911.

SIR,—In compliance with your instructions bearing date May 19th, 1910, for the survey of Islands in the Georgian Bay in front of the Townships of Harrison and Shawanaga, I beg to make the following report:

The islands in this district are of this character: Those not immediately next the outer lake have clean cut shores as a rule, although there are many marshy bays. These islands are generally rough in surface, differing from Muskoka in not being so well filled in with soil. The pine clad shores are very pretty, but in many instances fire has destroyed this beauty. The second growth is principally of birch, poplar and oak. When the outer lake is reached we find the islands flat and having marshes in their interiors, when large, and water lies on the surface in pools nearly everywhere. This has the disadvantage of breeding mosquitos late on in the year. There is an outermost belt of shoals, bare of verdure, and then a belt of rocks with scrub cedars and occasionally a pine. Then nearer in the vegetation becomes thicker and the pines increase in number. The islands have been picked over now in this district so that of the smaller islands none remain of any pretensions to beauty, except those of very small acreage or inferior situation. There are a certain number of points on large islands of some value and a larger number which will become more valuable as the district fills up, for the willingness of the public then to buy will depend on the possibility or otherwise of getting anything else. The early sales in this region were of beautiful islands at a nominal figure with no conditions as to improvement, so that there is little

Crown property now of value, and but few houses on the patented islands. It is true that this beauty was not an inalienable part of the property, for the pine was not sold and the destruction of the pine would destroy much of the charm of the neighborhood, as there is no fringe of hemlock along the shores, as in Muskoka, to conserve the wooded appearance.

Many islets have been numbered that would have been omitted in earlier days, for several reasons. Firstly, the instructions were strict as to this and also the fact was sufficiently clear (from my experience) that most people desired to control what they termed rocks, (viz.: islets of very small acreage with a few shrubs or treelets on them), when opposite their property, and further, that property was being acquired already in the neighborhood that was second at least, and to be on the safe side everything that possibly could command any sale in the future was numbered.

In describing the islands, the desirability for residence, when the position is good, will vary with the demand. It is evident that people will now buy and build on property that formerly would not have been looked at for a moment.

In the division of the large islands the length of shore line allotted to each parcel depended firstly on the requisites for residence, viz.: site, harborage, etc., but in many cases the value or desirability of the land was so small that the parcels were made large to avoid the time and expense of divisions which might never be utilized or not needed for an indefinite time. In fact, many divisions were made with the feeling that labour was being lost as no market would be obtainable for a long time and in fact a large proportion of the entire survey was considered as valuable solely for the sake of having an accurate map.

The numbering of the islands was intended to be as consecutive on the ground as possible, of course. It is manifestly impossible to have this in every direction; also, in exceptional cases the numbering is quite irregular on account of previous omission from one cause or another. The islands are painted with Roman numerals in white lead and oil and where trees were not blazed and carved with the number of the island, solid pine posts were used, the upper part squared and carved with the number and the lower part left in the round. The posts were cut on the mainland, out of view, and no destruction of timber on the islands was allowed.

The cost of the survey was possibly greater than it would have been with no previous surveys as the work would have been much more straightforward. Certainly the use of the private survey plans increased the cost of draughting considerably and held back that part of the work very materially in time of accomplishment. A considerable saving of time to the surveyor would also have been effected if there had been no previous patents to deal with.

I have the honor to be,

Sir,

Your obedient servant,

(Signed) A. G. ARDAGH.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto, Ont.

*Appendix No. 33.*SURVEY OF THE SOUTHERN PART OF THE TOWNSHIP OF ALEXANDRA, DISTRICT
OF SUDBURY.

DELTA, December 23rd, 1910.

SIR,—Under your instructions dated July 5th, 1910, I have surveyed the southern part of the Township of Alexandra in the District of Sudbury and beg to submit the following report:

The survey was carried out agreeable to instructions. Iron bars were marked and planted as shown on plan and field notes.

In the south-eastern part of the Township there is a large open spruce swamp and a considerable part of the township lying east of Poplar River is swampy with poplar ridges, but approaching the north boundary the country is higher and drier. On the high ground and ridges the soil is more of a clay loam than in the swamp, where it is heavy clay. The land west of Poplar River extending for about two miles is higher than that of the eastern portion of the township and is in places sandy and more suitable for agricultural purposes. Approaching the west boundary the country again becomes swampy with poplar ridges extending east and west. The land in the vicinity of the lakes is generally low and swampy.

The prevailing timber throughout the Township is White Spruce, but in most places too small for merchantable timber, that in the swamps being from two to four inches in diameter, but on parts of the higher ground where it is mixed with poplar, it is from four to ten inches in diameter, and suitable for pulpwood. The poplar ranges from four to ten inches in diameter, but in some places seems to be dying. The timber on the high ground west of Poplar River is larger than elsewhere. Occasionally there are spruce trees twenty inches in diameter. On the point of land extending into the lake on lots 18 and 19, concessions VI and VII there is Norway pine about fourteen inches in diameter. This is the only place where pine was seen in the township.

Along the north boundary there are several outcroppings of rock but without indications of mineral. About one and a half miles south of the north boundary and west of Poplar River a considerable area of surface rock was encountered, but as on the north boundary there were no indications of economic mineral.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) WALTER BEATTY,
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 34.

SURVEY OF THE TOWNSHIP OF MACHIN, DISTRICT OF SUDBURY.

GUELPH, ONT., March 29th, 1911.

SIR,—I have the honour to submit the following report on the survey of the Township of Machin in the District of Sudbury, made in accordance with instructions from your Department, dated May 11th, 1910.

This township is on the Ground Hog River and lies north of the National Transcontinental Railway and was reached by means of the contractors' train on that railway from Cochrane.

This township is nine miles square and was laid out in lots of one hundred and fifty acres each under the system of survey approved by Order in Council of April 26th, 1906.

The survey was commenced at the south-east angle of the township, which is about $2\frac{1}{4}$ miles north of the railway, which point is marked by the six mile post on O. L. S. Speight's meridian line of 1905. The south boundary was run west from that point and was posted at each lot in the regular way and the side-lines projected northward from it.

The railway crosses the south-west corner of the township, cutting lots 28, 29 and 30 in the first concession.

The survey lines were in every case run in the centres of the road allowances. On the concession line a post was planted on the survey line at the end of each lot, also one on the south side of the road allowance and one on the north side. The posts planted on the survey lines were marked with the numbers of the lots on the east and west sides and with the letter "R" on the north and south sides. The posts at the lot corners were marked with the lot numbers on the east and west sides and with the concession numbers on the north or south sides, according to the positions of the posts, and with the letter "R" on the side facing the road allowance. At the side roads a post was planted at the intersection of the survey lines and marked "R" on four sides and a post was placed at each of the four lot corners and marked with the number of the lot and concession and with the letter "R" on the two sides facing the road allowances.

The $1\frac{7}{8}$ -inch iron posts and the wooden posts at the township corners were marked with the word "Machin" on the side facing the township.

Iron posts $1\frac{1}{4}$ -inch in diameter were planted beside the wooden posts at the following points on the survey lines, viz.: On the north shore of the lake between lots 12 and 13 in the first concession, on the line between concessions VI and VII at the east boundary and at the lots 12 and 13 side road and at the west boundary, on the north boundary at the lots 12 and 13 side road. These posts were marked "R" on four sides and with the numbers of the adjacent lots and concessions.

The Ground Hog River enters the township from the south at lot 24, Con. I, and flowing a little to the north-east leaves it at lot 16, Con. XII. It has a width of from six to ten chains, and flows with a good current. In lot 18, Con. VIII there is a short rapids with a fall of about nine feet. There are a number of small lakes in the township.

The land to the west of the river is undulating with a good clay soil and is well timbered with spruce and poplar. In the eastern part of the township the land is more level with a larger percentage of swamp, and the timber somewhat smaller.

There is a small area of burnt land along the river in concessions eight and nine, and another on the west boundary extending from near the south-west corner of the township to the fifth concession.

On the whole the township is a fairly good one, there are some ridges of rock in various parts and some swamps which will require drainage, but more than half of the area can be brought under cultivation without difficulty.

Very little large game was seen and no fur-bearing animals. Fish was also scarce but partridge were plentiful.

Accompanying this report are the field notes and plan of the survey and the timber plan.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) JAMES HUTCHEON.
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 35.

SURVEY OF THE RESIDUE OF THE TOWNSHIPS OF BENOIT AND MAISONVILLE,
DISTRICT OF NIPISSING.

ELK LAKE, November 2nd. 1910.

SIR,—I have the honour to report that under instructions from your Department dated July 7th, 1910, I have completed the survey of those parts of the Townships of Benoit and Maisonville not previously subdivided into lots.

In 1908, Mr. C. H. Fullerton, O.L.S., surveyed thirty-two lots in Maisonville and twenty-seven lots in Benoit along the Temiskaming and Northern Ontario Railway. This year I laid out the remaining forty lots in Maisonville and forty-five lots in Benoit, four of the former and eleven of the latter being west of the railway.

Probably about one-half of the country included in these lots is suitable for agricultural purposes, being covered with a rich clay or sandy loam, the remainder consisting of outcrops of native rock, muskeg, water or sand containing many drift boulders. The rocky portion of these townships may prove valuable for mining purposes, a considerable number of claims having been staked and much of the rock apparently not having yet been well prospected. Practically all the hills shown on the plans accompanying this report are native rock, while there is a considerable area of rock not much elevated above the surrounding country.

With the exception of about one thousand acres of recently burned country and possibly two or three times that area of open muskeg and beaver meadow, these lots are all thickly timbered mostly with second growth poplar, white birch, banksian pine and spruce up to eight inches in diameter, but there is besides a large amount of valuable timber and pulp wood. Roughly estimated about half the area surveyed in Maisonville and one-third that in Benoit is covered with valuable timber, spruce, cedar, white birch, and poplar up to eighteen inches in diameter, and some pitch pine large enough to be useful. The best of the timber is in that part of Maisonville north of the height of land. The location of the various kinds of timber and open country is shown on the timber maps and in the field notes accompanying this report.

There are nine lakes, or parts of lakes, in that part of Maisonville which I have surveyed, several of these south of the height of land being deep and clear, and apparently containing many fish, principally pike and pickerel. The largest lake in the township is Wolf Lake, north of the height of land. The lake is muddy and shallow, being probably nowhere more than about six or eight feet deep. The township of Benoit contains no lake except a small corner of Butler Lake on the western boundary. The only considerable body of water in this township is the Black River, which enters the township at the north-easterly angle of lot one, concession one, and flows northerly close to the eastern boundary of the township to the middle of concession five, when it turns westward. In concession four it leaves the township, re-entering it about half a mile farther north. East of the township it is apparently joined by a large creek or branch, as it has a greater body of water after re-entering than before leaving. From its first entrance to the fifth concession it is only a large creek, never much, if any, more than half a chain wide. It has in many places a good fall and swift current, though its flow is impeded by several beaver dams. From about five chains north of the southerly limit of the fifth concession to the junction with it of the White Clay River in lot six, concession five, it is deep and uniformly about one chain wide and has the same canal-like appearance that it has near the railway at the northern boundary of the township. There is at low water, all the way from concession four to the railway, a wide, clear, nearly flat clay bank, providing unobstructed walking for the whole of that distance.

Accompanying this report I am sending plans, timber maps and field notes.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) A. D. GRIFFIN.
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 36.

SURVEY OF THE TOWNSHIP OF LYON ADDITIONAL, DISTRICT OF THUNDER BAY.

LISTOWEL, October 27th, 1911.

SIR,—In pursuance with instructions from the Honourable the Minister of Lands, Forests and Mines, dated June 20th, A.D. 1911, to survey an area west of the Township of Lyon in the Thunder Bay District, I beg leave to report the following:—

I left Listowel on July the 8th, and proceeded to Owen Sound where I took the Canadian Pacific Railway boat *Assiniboia* and arrived in Port Arthur on the morning of July 10th. On July 12th with six men, outfit and provisions I proceeded by Canadian Pacific Railway to Coglin Station, situate about 53 miles east of Port Arthur, from this point there is an old tote road leading through old Lyon Township to farming location A L 671, the distance being about three and a half miles. From this point I commenced work as per instructions by extending the north boundary two miles west, thence running south, etc. Most of the old posts and bearing trees on the old west boundary were gone. The northerly half of the portion subdivided is mostly rolling and hilly with some small rocky ridges, the southerly half is generally level with some large muskegs and good level spruce land. The shore along Black Bay is very indefinite and hard to define, the land along the shore is sandy and very low, the water forming low sand banks; a strip of land along the shore from two to five chains wide is covered with small timber and willows and back of this for about twenty chains the timber is small and there are numerous muskegs and land very wet as it is nearly down to the level of Black Bay.

This township is well watered with spring creeks and in all the larger streams brook trout abound. We found numerous springs of clear water, some of them bubbling out of the ground and very cold. While traversing Black Bay I noticed a tide of about six inches. All the high land with the exception of where it is stony and rocky will be good agricultural land; the timber and underbrush in the north half is very thick and heavy and the land will be hard to clear; the southerly half will not be so hard and with the exception of a strip along Black Bay will be fairly good land, although most of it will need to be drained. A Mr. Bruner, a German, who is the settler on location A L 635 has about eight acres cleared on the north side of the track and has about five acres under cultivation. oats, garden and potatoes, and the potatoes were a splendid crop, he expected to have about 400 bags.

The locations A L 678, R 601 have some of the best timber removed, but none of the land is cleared and I saw none ready for cultivation. A L 764 has about two acres cleared, and the land seems good. Location A L 561 also has a clearing but none under cultivation.

Under the head of minerals I beg leave to report that I found no trace of minerals, there is a high diabase ridge near the north-west corner of Lot 1, Concession XI. This ridge runs almost north-west and south-east; the rock is coarse and compact and upon examination I found no veins or trace of minerals.

Under the head of timber I beg leave to report the following:—The kinds of timber found were spruce, cedar, balsam, tamarac, birch and poplar and a few small jack pine. Lots 1 and 2, Concessions X and XI are covered with mixed

timber; along the line between lots 2 and 3, Concession XI, and between Concessions X and XI, Lots 2, 3 and 4, I found some fine cedar, some going two feet in diameter.

Under the head of soil I beg leave to say that the northerly half with the exception of rocky and stony places, the land seems to be good but not first class; the southerly half is broken by muskegs and low wet swamps, but a great deal of the land will be good for cultivation and all the low land with the exception of a strip along Black Bay can be easily drained.

The weather was very wet and foggy while doing this work; it rained every day on the work with the exception of ten.

The Canadian Northern Railway parallels the Canadian Pacific for most of the way through this territory, and the cutting of the right of way was in progress while making this survey.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) E. D. BOLTON,
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 37.

SURVEY OF THE TOWN PLOT OF REDDITT, DISTRICT OF RAINY RIVER.

TORONTO, March 20th, 1911.

SIR,—I have the honour to report that in accordance with instructions from your Department dated 13th July, 1910, directing me to lay out a townsite at Redditt Station on the National Transcontinental Railway in the township of Redditt into building lots, I proceeded to that place from Sioux Lookout on the evening of the 14th of July, arriving there on the afternoon of the 15th, and after locating my camp on the south side of Basket Lake and Black River commenced the survey as soon as possible thereafter.

I may say that I laid out all the ground on Lot 5 in the 5th and 6th concessions of Redditt that I considered fit for building lots, and also a few lots upon lot 6, concession 6 on the north side of the railway grounds. The lots were laid out 66 feet wide and 150 feet deep as a rule and made to suit the contour of the ground as nearly as possible.

I found a man named Leon Baitly living on the south-east part of lot 5 in concession 6, who had made certain improvements in clearing and building and claimed to be located for the lot. A memo of these improvements has already been sent to your Department.

I also found the offices of the engineers of the Transcontinental Railway located on the central part of lot 5, concession 4, but did not interfere with them

in any way beyond cutting a small corner off their clearing, as I did not deem it advisable to extend the Town Plot so far south. The engineers have quite a number of buildings and about 5 acres of clearing fronting on Armstrong Lake to the south of them, and from which a water pipe line has been laid north-westerly to the railway grounds.

In staking out the lots to the south of Basket Lake I paid no attention to this water pipe, but I presume the railway people will have the right of way through the town lots.

The intake pipe at Armstrong Lake is just west of the side line between lots 4 and 5, concession 5, and 1,534 feet south of the original post at Basket Lake.

That portion of lot 5, concession 6, laid out is altogether the most suitable for building lots, having a gradual slope to the south from the high land on the north.

The part of lot 5, concession 5, laid out south of Basket Lake is also fairly well situated, rising to the south from Basket Lake and Black River. These two blocks of lots comprise all that is really suitable for a Townsite, but having half a day at my disposal before moving on to Kenora, I laid out 21 lots on lot 6, concession 6, as shown on plan. These, however, are not likely to be taken up as building sites for some time to come. The flat of land between the railway lands and Black River is covered with water every spring and therefore unsuitable for building purposes.

A number of the posts used were cedar that I brought from Sioux Lookout, and iron posts left over from Sioux Lookout were planted at points indicated on the tracing of plan. The remainder of posts required were made from banksian pine, being the most suitable timber to be found.

All posts were marked similarly to those described in the report of Sioux Lookout.

After our railway experience on the 15th July, being 20 hours on a flat car coming 117 miles, we were pleased to have the privilege of getting to Winnipeg River on the 3rd of August by row boat and canoe via Black River, and the same evening reached Kenora by small steamer, where the survey may be said to have terminated.

Accompanying the report will be found Plan of Survey, with tracing of same showing iron posts, also pay list, statement of transport and travelling expenses with vouchers and account, all in triplicate.

The magnetic variation was found to be 10 degrees 25 minutes East.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) ALEXANDER NIVEN.
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

*Appendix No. 38.**(Hearst)*

SURVEY OF THE TOWNSITE OF MATTAWISHQUIA, DISTRICT OF ALGOMA.

NORTH BAY, July 15th, 1911.

SIR,—I beg to report the completion of the survey of the Mattawishguia Townsite at Mileage 232, on the National Transcontinental Railway, performed under instructions from your Department, dated May 22nd, 1911.

Our party left here on the 30th of May, and returned on the 22nd of June. Some inconvenience was experienced by our party at the western end of our trip, both going in and coming out, due to inefficient, irregular service on the construction trains, and to a series of accidents on the line.

According to instructions, I consulted with Mr. A. J. McDonald of Cochrane, as to the most suitable land to subdivide, and our decision alters somewhat the subdivision as laid out on the projected plan.

North of the right of way no further land has been reserved than has been subdivided, while on the south side all the land has been reserved between the right of way and the river.

The soil is a light loam, free from boulders and rock. The land has a natural and very gradual slope riverwards, giving good drainage. There is no rough or broken land in the Townsite, hence every lot is available for building. The timber is mainly black spruce of small dimensions, while on the higher land are white woods and white birch.

The only buildings on the Townsite are the engineers' camps at the south-east end and a log stable on lot 137. In front of lots 130-140 are a number of buildings on the station yard, comprising a store, stopping place, hospital, contractor's headquarters, etc. This is the most desirable location for building purposes.

Posts were planted at the front angles of every lot, and at rear angles where the same occurred on side streets. The posts were all made of spruce timber, while at certain locations iron bars were driven to preserve the more important points. The outlines of the townsite were run, thoroughly blazed and posted at the various angles.

I am indebted to the engineer in charge of Residency 22, for his notes of a winter traverse of the Mattawishguia River, the obtaining of which rendered a second traverse unnecessary.

Accompanying this report are the plan, and tracing of the Townsite, and triplicate returns of all expenses in connection therewith, all of which is respectfully submitted.

I have the honour to be.

Sir,

Your obedient servant.

(Signed) H. M. ANDERSON.

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 39.

SURVEY OF THE TOWNSITE AT LOW BUSH RIVER, DISTRICT OF NIPISSING.

NORTH BAY, ONT., September 30th, 1911.

SIR,—I beg to report completion of the survey of the Townsite at Low Bush River on the National Transcontinental Railway, performed under instructions from your Department, dated August 11th, 1911.

The soil is a light loam, free from boulders and rock, and with no rough or broken land, hence every lot is suitable for building purposes. The land is for the most part quite well drained, with a gentle slope riverwards. In some few places, as along the concession line, however, the land is wet and deeply covered with moss, though still capable of being drained. The timber for the most part consists of small black spruce, while on the higher land are poplar and white birch.

The temporary station is located mid-way between the two bridges. This will, in all probability, prove to be the most central location of the Townsite, and the business section will spread out over lots 201-222, etc. The choicest residential section is to be found up around the Residency buildings on the east side of Circle River.

A number of buildings occur on the long tongue between the two rivers and south of the right of way; and a considerable clearance lies adjacent to the right of way on the easterly shore of Circle River.

All lots were posted at both front angles, and at rear angles where the same occurred on an avenue, in every case the posts being firmly driven. The posts were all made of sound spruce, 24 inches long, well faced. The numbers were carved on same with a timber scribe. The posts at street corners were also carved "R." At certain positions iron posts were planted. These were plainly marked with a cold chisel, and alongside of them were planted wooden posts, also marked. The positions of these posts are indicated on the accompanying tracing and recorded in the notes.

Accompanying this report are the usual returns consisting of plan, tracing, field notes, list of lots, etc., all of which are respectfully submitted.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) H. M. ANDERSON.

Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

*Appendix No. 40.*REPORT OF THE SUBDIVISION OF THE VILLAGE PLOT OF WALDHOF, DISTRICT OF
KENORA.

KENORA, June 26th, 1911.

SIR,—I left Kenora by morning train for Waldhof Siding, where I arrived about noon. I engaged men for the following morning at \$2.50 per day, including board, and a chainman at \$2.75 per day. Then I looked up posts and went to the sawmill to order sawn posts. I took the chainbearer with me. We found the trail to the mill very wet and swampy. We took the colonization road back which increased the distance, but was drier and better walking.

On Thursday morning, the 8th, I ran northerly at right angles to the straight part of the north boundary of the Canadian Pacific Railway; on this line at the right distances I ran the boundaries of the streets easterly and westerly, parallel to the straight part of the north boundary of the Canadian Pacific Railway, to comply as nearly as possible, owing to the curve in the C. P. R., with the projected plan accompanying the instructions.

The land ascends gradually from concession 1 towards the north. The soil is sandy from southwest corner of lot 8 but changes to sand and gravel to the north and east.

The timber is small jack pine from 4 inches to 6 inches in diameter, in places scattered and not much underbrush, and if near a town or city would form ideal outing or picnic grounds.

I found no buildings on the lot except one intended for a blacksmith shop, and another with the frame up. They are both south of the Canadian Pacific Railway, and are both on West Street near lots 68 and 40.

The men who were working with me expressed a wish to have some of the lots set out for a park and athletic grounds, and mentioned the block bounded by George and Grey and Edward and Beresford streets as very suitable.

I found the posts at the south-west corner and at the intersection of the west boundary with the north boundary of the Canadian Pacific Railway in position, but those at the south-east corner are all gone, either burnt or removed with material from the borrow pit. The posts at the south-west corner of 7 are also gone, with material from the ballast pit.

The only swampy land on the Town Plot is that mentioned in the township field notes at the southwest corner of eight. Very little of it is on the lots. Robert street takes nearly all of it.

I did not give the subdivision a name. The whole of Waldhof Siding is on lot 9, and no name was mentioned in the instructions.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) EDMUND SEAGER,
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

Appendix No. 41.

SURVEY OF THE MATTAGAMI RIVER TOWNSITE, DISTRICT OF SUDBURY.

NORTH BAY, ONT., October 7th, 1911.

SIR,—Herewith I beg to present my report on the survey of the Townsite at Mattagami River, on the National Transcontinental Railway, performed under instructions from your Department, dated July 26th, 1911, and supplementary instructions dated August 11th, 1911.

The soil is a light loam, free from boulders and rock, and with very little broken land; hence nearly every lot is available for building purposes. The land is for the most part quite well drained, there being at all times a gentle slope riverward. The timber is mostly a general mixture of balsam, birch, spruce and poplar in the order named and of a size ranging from 4 inches to 8 inches. Along the river bank and the ridges the timber is larger, with poplar predominating; while in the lower parts the main timber is black spruce, 3 inches to 5 inches. Satisfactory and pleasing evidences of the soil's possibilities were to be seen in the garden growth at the Residency,—there being a splendid showing of all kinds of garden vegetables and a profusion of domestic flowers. Hay and oats were also seen on the work, of a height and head worthy of note.

The Railway passes through the Townsite at a considerable elevation, more particularly from 3rd Avenue westward. From an inspection of the ground, it would appear that the most suitable and probable site for the business section, would be that portion of the Townsite lying East of the River and preferably North of the Right of Way. The best residential section is in the vicinity of the Residency Buildings on the westerly side of the river.

All lots were posted at both front angles, and at rear angles where the same occurred on an avenue; in every case the posts being firmly driven. The posts were made of clear cedar or pine 24 inches long, well faced and the numbers carved thereon with a timber scribe. The posts at block corners were also carved R in addition to the number of the adjacent lot. At certain prominent positions iron posts were planted; these were suitably carved with a cold chisel and a carved wooden post planted alongside. The locations of these iron posts are indicated on the tracing and recorded in the notes.

Accompanying this report are the customary returns consisting of plan, tracings, list of lots, etc., all of which are respectfully submitted.

I have the honour to be,

Sir,

Your obedient servant,

(Signed) H. M. ANDERSON.
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto.

*Appendix No. 42.*TRAVERSE OF SESEKINIKA AND KENOGAMI LAKES AND SURVEY OF ISLANDS THEREIN,
DISTRICT OF NIPISSING.

ELK LAKE, October 23rd, 1911.

SIR,—Under instructions from your Department dated July 31st, and August 21st, I have surveyed those parts of Sesekinika and Kenogami Lakes, lying within the Township of Grenfell, and the islands therein, subdividing the larger islands into parcels suitable for summer resorts. I have also traversed the Blanche River from Kenogami Lake to the Temiskaming and Northern Ontario Railway. Along the shore of Sesekinika Lake at distances averaging about a mile, I have marked suitable trees at prominent points W, W1, W2, etc., and along the shore of Kenogami Lake at like intervals have planted posts marked P1, P2, to P6. I continued these posts along the Blanche River at intervals of about half a mile, marking them P6 to P11.

I found no surveyed mining claims to connect with my survey of either lake or the river, though many unsurveyed claims are staked in the neighborhood of all.

Sesekinika Lake contains twenty-three islands, varying in size from one-tenth of an acre to over two hundred acres. Of the largest island only about fifty-three acres are within the township of Grenfell. The largest island wholly within this township contains about eighty-three acres. With the exception of two or three very small islands all are well timbered with spruce, birch, jack pine, poplar and balsam, the largest island A2, having many spruce, birch and poplar from 18 to 24 inches in diameter.

All the islands consist of an outcrop of schistose rock covered very lightly with soil, there being, except in a few isolated spots, practically no arable land on the islands. Nearly all are suitable for summer resorts, some, as described in schedule accompanying this report, being very desirable.

Along the east shore near the railway I found land suitable for only two lots. As shown on plan and field notes most of the land between the railway and the lake has been recently burned over and consists now along the shore of nearly bare rock covered with fallen timber. Probably in a few years it will be sufficiently grown up with underbrush to hide the present deformity. Otherwise the beauty of the shore and the islands is all that could be desired. The only serious defect to this lake as a summer resort is that the water is not at all clear, being always yellow and at times almost dirty. It is, however, well stocked with pike and pickerel.

The shore of the large islands, while offering many of the most desirable sites for cottages, is totally unfit for a roadway, consisting in many places of precipitous rock or steep incline with little or no earth for grading. The only road allowance I left is between parcels 2 and 3 on island A1, to give access from the water to parcel not bordering on the lake.

In Kenogami Lake the small islands are all well wooded and offer suitable locations for summer resorts. The large island is mostly *brulé*, small second growth jack pine, spruce, and poplar covering much of it, with several large white and red pine escaped from the fire. There are in both parcels into which

I have divided it several good locations for cottages. Most of the shore of this lake is schistose rock and conglomerate and is largely staked for mining claims, as is also the country along the Blanche River.

I have the honor to be,

Sir,

Your obedient servant,

(Signed) A. D. GRIFFIN.
Ontario Land Surveyor.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 43.

SURVEY OF DOG AND OTHER LAKES AND THE OBA RIVER, IN THE DISTRICT
OF ALGOMA.

TORONTO, Ont., Oct., 1910.

SIR,—We have the honour to submit the following report of the survey of Dog and other lakes and the Oba River made by us during the past summer months, under instructions dated June 9th, 1910, the said survey comprising the north shore of Dog Lake, from Missanabie Station on the main line of the Canadian Pacific Railway west of Sudbury, westerly as far as the Steel Girder bridge over the Lochlomond River, at Sudlow Siding. Thence the river and lakes connecting Dog Lake with Lake Wabatongashene, viz.: The Lochlomond River, Lochlomond Lake and MacNamara Lake; thence Lake Wabatongashene, and over the height of land and down Portage Creek into Oba Lake, and from Oba Lake down stream of the Oba River as far as the portage known as Pine Portage, into Kepinagogami Lake.

We left Toronto, with two men, on the evening of June 12th for Sudbury. After ordering supplies and organizing our party, we proceeded on June 15th to Missanabie with a party of nine men, including a timber ranger, Mr. W. B. Thomson of Orillia.

The remainder of the month of June and up to July 15th, we were engaged in the triangulation and traverse of Dog Lake, Lochlomond Lake, MacNamara Lake and the Lochlomond River. From the commencement of the survey until July 6th, we experienced considerable difficulty in sighting on the lakes, owing to the dense smoke of bush fires to the west of us, and at times found it impossible to see our pickets. A heavy rain, however, on July 6th cleared the atmosphere and removed this difficulty. The latter half of July and the month of August was spent in the triangulation and traverse of Lake Wabatongashene and its connection with Oba Lake. Most of the islands in this lake are shown on the accompanying plan as either sketched or as actually touched by the survey. A few, however, may have passed unnoted during the survey. From September 1st

to September 15th, we were engaged triangulating and traversing Oba Lake. Most of the islands were also located as those aforesaid. From September 15th to October 8th we were engaged in the traverse of the Oba River as far as Pine Portage, and also down the east branch of the Oba River eight miles, tying on one of O.L.S. T. B. Speight's meridian lines run this season.

Levels were taken at all falls or rapids capable of development and the discharge of the streams determined approximately. Small and long rapids, the fall of water was merely estimated.

October the 10th, 11th and 12th, were spent on the journey out from Pine Portage to Missanabie Station.

The Government equipment, canoes, tents, blankets, cookery, etc., were stored with the Hudson Bay Company at Missanabie, and the receipts collected for the same.

During the months of August and September there was considerable wet weather, and this, together with the many gales on the lakes, hindered, to some extent, the progress of the survey.

The survey was left unfinished owing to the summer season closing. In our opinion, there is sufficient work left for a single party another season.

Wooden posts were planted at prominent points on the lakes and at every mile or thereabout on the river. Where possible, cedar, or the most durable trees available, were cut off from 2 to 3 feet above the ground, squared and bevelled at the top and scored with a marking iron on the side facing the water, with the designated number of the post. Where impossible to square a tree, a post was made, at least 5 inches square and from three to four feet in length, of the most durable wood available, marked in the same manner as aforesaid and planted firmly in the ground and with material convenient. Stone mounds were also built around the post. Bearing trees were also taken at monuments exposed to destruction.

The lakes were first triangulated from chained bases. A five-chain tape was employed in the chaining of the bases. The shore line was filed in with stadia and azimuth readings with transit. On the river magnetic bearings were also taken as a check on azimuth readings. When rapids and waterfalls were encountered, necessary lines were cut and blazed around the river and posts planted. Astronomical observations for time and azimuth were taken as often as opportunity permitted, and the direction of lines are in accordance therewith. Observations with their calculations are recorded in the appendix of this report. The field notes of the survey of the lakes have been plotted to a scale of ten chains to the inch; the Oba River to a scale of twenty chains to the inch, and a general plan to a scale of two miles to the inch. Tracings of the same accompany this report.

GENERAL FEATURES.

Judging from the shores of the three lakes, Dog, Wabatongashene and Oba, the land is for the most part useless for agriculture. At the mouth of the Oba River we struck the southerly limit of the clay belt, and from this point down stream to Kepinagogami Lake, good agricultural land was in evidence. From Post A 100 down to Pine Portage A 19, the country is very flat; in no place except at rapids between B 5 and B 6 did the banks of the river exceed three feet above high water mark. A good example of the flatness of the country is found at the big bend of the Oba River B 8, where the water at that point divides, part flowing south-westerly into Kepinagogami Lake, and the other

part flowing north-easterly into Missanabie River. Another strange phenomenon, some of the creeks between B 8 and B 17 flow from the river. I presume they unite with the river at some point further down the river. The bed of the river is of hard clay. The shores and bed of the lakes are rocky in most places with occasional sand beaches.

CLIMATE.

The climate last summer was all that could be desired for agricultural pursuits, no frosts of any severity being experienced during July and August. We had several frosts, however, in the latter part of September and October.

TIMBER.

The timber is reported on fully by the timber ranger, Mr. W. B. Thomson of Orillia, and further remarks are unnecessary.

MINERALS.

No economic minerals were discovered, nearly all specimens examined on Wabatoncashene and Oba Lakes being granite rocks of the Laurentian formation, with occasional outcrops of green schist.

GAME.

Large game, such as moose, caribou and deer were not as plentiful as would be expected. We saw an occasional moose, but no signs of caribou or deer. Bear were seen in the Oba Lake District. Traces of fur-bearing animals such as mink, beaver and marten were found, but in our opinion, the country is almost hunted out. Small game such as rabbit, partridge and duck are plentiful. Abundance of fish—pickerel and pike—were caught by our party, weighing as much as twenty pounds, although they averaged three to four pounds. It is claimed that the lakes also contain whitefish. Local Indians told us that speckled trout were found in many of the smaller streams and in parts of the Oba River. There is good trout fishing at Trout Rapids at post A 78, at low water.

WATER.

The water in the lakes south of the height of land is fresh, clear and soft. Oba Lake and Oba River have that dark color due to vegetable matter, which most of the rivers have in Northern Ontario.

Water-power is reported on in detail in the field book.

We have the honor to be,

Sir,

Your obedient servants,

(Sgd.) PAULIN & BUSH.

The Honourable, the Minister of Lands, Forests and Mines,
Toronto, Ont.

Appendix No. 44.

ALGONQUIN NATIONAL PARK.

ALGONQUIN PARK P. O. December 24, 1911.

The Honourable The Minister of Lands, Forests and Mines, Toronto, Ont.

HONOURABLE SIR,—I beg to hand you my annual report for the fiscal year ending October 31st, 1911, on the Algonquin National Park of Ontario, of which I have the honour of being in charge.

The Park, as no doubt you are aware, is situated about two hundred miles north of the City of Toronto, in the District of Nipissing. It comprises some thirty-one townships, wholly or in part, containing an area of about one million three hundred and twenty thousand acres, and is timbered with birch, maple, beech, hemlock, cedar, spruce, white birch, tamarac and balsam. There are still large blocks of choice red and white pine, while in some sections black cherry is found reaching a diameter of sixteen inches. There are some 2,000 lakes, large and small. Some of these rank among the larger of the inland lakes of Ontario, such as Cedar, Great Opeongo, Tea Lake and others.

One of the most notable features of the Park is the fact that six important rivers take their rise here, namely, South River, Madawaska, Amable Du Fond, Petewawa, Little Nipissing and the north branch of the Muskoka. The value to the Province of the conservation of these water supplies can scarcely be estimated. The depth of the Park north and south is 56 miles, while its breadth east and west is 48 miles. The average elevation is 1,500 feet above sea level, making it an ideal health resort, and thousands of people from all over Canada and the United States avail themselves of it yearly.

There are two large well-equipped hotels, one built and operated by the Grand Trunk Railway, the other by Mr. L. E. Merrell; the former is situated at Cache Lake, the latter seven miles west. The Park headquarters are also at Cache Lake. Algonquin Park P. O.

The object of the Park, besides conservation of the water supply and the preservation of the timber, is to provide a breeding place and protection to all kinds of game, and a health resort for the people of the Province. That these objects have been attained is evident on all sides. The Park is annually becoming more popular, not only for the excellent speckled salmon trout and bass fishing, but for purposes of rest and health.

Game of all kinds has very much increased. Deer are so abundant that they can be seen from the hotel verandahs in numbers. Beaver, too, are very numerous, and their annual increase must be several thousand. Otter, mink, marten, muskrat and fisher are also here in great numbers; in some sections the fox is very plentiful. Of birds we have the ruffed grouse, the spruce partridge and several smaller game birds. The capercaillie introduced some years ago are also in evidence, several coveys of young birds having been seen during the past year. This being the largest of the grouse family will be an important addition to our game birds. Ducks are becoming much more numerous, and thousands of them could be seen in our large marshes last fall.

A considerable revenue has been derived from fishing licenses, etc., and this will very much increase each year as the Park becomes better known.

The amounts collected here during the past year, not including furs sold, are as follows: For fishing licenses \$1,193.12; for rent of cottage and camp sites \$305.00 (this does not include rents and license fees paid direct to the Department); fines upon six convictions for illegal trapping \$175.00; sale of shelter house at Canoe Lake (no longer required) \$100.00; old lumber from camps, \$40.00, making a total of \$1,813.12.

Our staff consists of a superintendent, twenty-four rangers and a housekeeper. The men travel in pairs, having a given territory to cover, their duties during the hunting and trapping season being to patrol the section under their care for the prevention of illegal hunting and trapping. During the remainder of the year they cut portages, improve streams, build shelter houses, etc. They at all times act as fire rangers.

Regarding fires, I am glad to report that although many fires were started, principally by lightning and the railway trains, we succeeded in getting them under control before much damage was done.

We have built eight new shelter houses, all of which are substantial sided log buildings, with the exception of the one at Joe Lake, which is a well finished clapboard building, fitted with telephone connection with the hotel, the stations at Canoe and Cache Lakes, and headquarters. Joe Lake is an important point, being on the main waterway, and the telephone in cases of bush fires or accident will be a great advantage. At headquarters all the waste land to the west of the building has been cleaned up, also a great deal of the slash left by the Munn Lumber Company, this being absolutely necessary as a fire protection on the limits recently acquired by the Government from this firm.

An ice house and cold storage has also been built at headquarters. For two years past we have taken out a quantity of fur, principally beaver. This has been sold by tender in Toronto, bringing a good price. During the past year, nine live beaver were disposed of, 402 beaver skins, 10 otter, 8 marten, 18 mink, 31 muskrats, 1 fox, and 1 ermine, realizing in all \$3,340.00.

Wolves are still numerous in the Park, notwithstanding that our men got fifty, principally females, during the year, and killed at least an equal number that they did not get owing to the snow falls covering them up before found. I attribute the large number of wolves to the fact that they come in from other sections, owing to the abundance of food to be found in the Park. Every possible effort should be made to rid our woods of these pests, which kill deer in hundreds. Several were killed during the past year within a mile of headquarters.

Fishing was good during the past year, and general satisfaction was expressed by all visitors, who do not hesitate to pronounce the Park the best fishing grounds now to be found in America. I would, however, recommend stocking Cache, Cranberry and White Lakes, as these being within easy reach of the hotel provide sport for those who cannot reach more distant waters.

The limits recently purchased by the Government from the Munn Lumber Company are a great acquisition to the Park, being largely covered with fine hardwoods and young pine. The lakes also are excellent for fish, and have an abundance of speckled and salmon trout, as well as small-mouthed bass, the latter having stocked these waters from the Park, where a few years ago they were introduced with great success. A large quantity of salmon fry was put into Source Lake two and three years ago, and last season a few choice specimens of this most gamey fish were taken.

The addition of the Munn Lumber Company's limit to the Park also com-

pletes a very important waterway and adds very much to the ease of patrolling this section.

We have in the Park three large summer camps of boys and one of girls, the Long Trail camp for boys on Joe Lake; Prof. Brower's camp for boys on Cache Lake; the Bordentown Military Institute on Lake of Two Rivers, and Miss Case of New York, with a school of fifty girls and teachers on Cache Lake.

Considering the great number of people scattered all over this vast territory in canoeing parties during the summer months, we have very little trouble from bush fires, and the Park laws are with few exceptions well observed, our principal trouble coming from the lumber camps and outside trappers.

I have the honour to be, Sir,

Your obedient servant,

G. W. BARTLETT,

Park Superintendent.

Appendix No. 45.

RONDEAU PROVINCIAL PARK.

MORPETH P. O., December 26, 1911.

The Honourable The Minister of Lands, Forests and Mines, Toronto, Ont.

SIR,—I have the honour to submit this my report as caretaker and ranger of the Rondeau Provincial Park for the year 1911.

The marsh grass that we had cut last fall and with which we covered the sandy places around the pavilion (where so much traffic in the picnic season wore the sod off and cut deep into the sand) served an excellent purpose; it seemed to hold the moisture, and the sand remained quite firm or packed under the coarse grass. Wagons and automobiles can run anywhere on this part without cutting into the sand as they formerly did. It was pleasing indeed to note the favorable remarks from the public visitors in regard to this work. It should have a fresh covering of grass each year until a natural top is formed that will seed down with grass.

The Park dock is in good condition and has afforded a great deal of pleasure to visitors, but owing to the extreme lowness of the water this season, it has been difficult for the small launches to make their way into the lagoon beside the low dock to tie up, as the entrance to same is very shallow, being partially filled up with sand.

The gravel road leading into the Park has been in fine condition and makes a good speedway for automobiles and other vehicles. It will require another light coat of gravel to put it in good condition for next year. The continued wet weather recently has softened it in places and it is cut up some.

As a summer resort this place is becoming more popular every season. The picnic season opened much earlier than usual, and continued longer than ever before. There were very few days throughout the season without a picnic on the Park grounds. The country roads and the Park road being dry and in excellent condition most of the season, encouraged the automobile traffic. Some days they numbered up to 20 and 25 machines. Up the south road through the Park forest seems to be a favorite run for them; the people enjoy seeing the deer (which number up into the hundreds) in their natural haunts, as well as the great variety of timber and shrubbery, the black squirrels in the trees and the cotton-tails jumping through the bushes.

The new bath house built for men on the lake shore of the Park this season has been used a great deal, and is very much appreciated by the people summering in their cottages and also by the picnickers; the bath house built for the ladies two years ago was also kept busier than ever. The Chatham and Blenheim Baden-Powell Boy Scouts, numbering about 50, were in camp on the Park for the greater part of two weeks, and made the place lively. They had drill practice each day and entertained visitors in the pavilion several times; had an afternoon of sports on the water, also foot racing on the green in front of the pavilion. Their stay was enjoyed by those who visited the Park while they were here. This has proven to be one of the best seasons for wild ducks in years on the bay contiguous to the Park.

Old shooters say that the blue bill were never known to be so numerous here before, and that more ducks were killed and taken away than for many years past.

The wild partridge and quail in this forest are not very plentiful; their natural enemies are too numerous for them to thrive well; the hawk, skunk, weasel, etc., are hunting for a living, and make it hard for these little game birds to survive at all.

The wild turkeys that the Government had placed on the Park last spring have not done well. At one time, early in the season, there were three old birds and eighteen young, and through destruction from hawks, eagles, owls, etc., and sickness during the summer, their number has been reduced to one cock and two hens. When the young were able to fly up to a perch a few feet off the ground they were liberated into the forest and picnic grounds, but they seemed to pick up something that causes them to get sick and die. We had the same experience with wild turkeys several years ago on the Park.

The wild geese have increased in number in the enclosure this season.

The red deer in the open Park are becoming so numerous that they are straying off the premises, and are accused of damaging crops. They are also injuring the young pine and cedar on the Park, and I have recommended that some steps be taken to reduce their number.

The deep well of water that was secured a little over a year ago has proven quite satisfactory so far; by pumping (with gasoline engine) two or three hours each day it will supply the picnic grounds as well as the Park headquarters with plenty of pure drinking water, which will add to the attractiveness of the Park. The latest improvement is the building of a new road through the Park forest, beginning on the picnic grounds where the gravel road into the Park ends, and continuing through the forest a distance of over three miles, intersecting the old Lake Shore road (the road to the fisheries) at a point opposite Cull and Shippey's fishery, thus forming a belt-line driveway through the best wooded part of the forest. The new road is underbrushed to a width of two rods, and when com-

pleted, all unsightly and leaning trees will have been removed. The road bed along the centre will be **cleared of all trees, roots, etc., and levelled**, leaving a clear drive road of about 16 feet wide. On the upper or southern end where it crosses over a number of sloughs, it was necessary to use a good many of the trees that had to be cut to make the roadway in laying corduroy, which was then covered with marsh grass to a depth of one foot, and the grass in turn was covered heavily with sand and leaf or vegetable mould. To make a permanent drive road, it was necessary to build up these low places above the high water mark in the spring. We expect to have the whole road in condition for traffic this coming season.

Before closing my report I wish to say that Mr. Orendorf handled the refectory in a satisfactory manner, catering to the wants of the public visitors.

Mr. Weir, who has the privilege of providing boats, etc., for Park visitors, is kept very busy and is giving satisfaction.

I have the honour to be, Sir,

Your obedient servant,

ISAAC GARDINER,

Park Superintendent.

Appendix No. 46.

List of Persons holding Cullers' Licenses, issued under the Ontario Cullers' Act, up to 31st October, 1911.

Name.	P. O. Address.	Name.	P. O. Address.
Anderson, M. M.....	Almonte.	Buchanan, Robert.....	Coldwater.
Allan, James D.	Bracebridge.	Beck, Jacob Frederick...	Penetanguishene
Appleton, Erwin B.....	Bracebridge.	Bird, Joseph Manly.....	Muskoka Mills.
Albert, Andrew	Ottawa.	Boyd, John F.....	Thessalon.
Adams, J. Q.....	Longford Mills.	Brandon, Martin W.	Peterborough.
Anderson, Patrick J.....	Campbellford.	Bell, John C.....	Peterborough.
Anderson, J. C.....	Gravenhurst.	Bartlett, George W.....	Warren.
Allan, Alfred.....	Ottawa.	Brown, Silas.....	Klock's Mills.
Allen, R. A.....	Bannockburn.	Boland, W. G.....	Eganville.
Aikins, Geo. M.	French River.	Baulke, George R.....	Aylmer, Que.
Appleby, Ridley.....	Katrine.	Bouchey, Arthur.....	Massey.
Adams, James M.....	Sault Ste. Marie.	Buchanan, Mark.....	Trout Mills.
Aylward, James.....	Peterborough.	Barrett, W. J.....	Thessalon.
Archibald, John L.....	Keewatin.	Bromley, Thomas.....	Pembroke.
Austin, Wm. G.....	Renfrew.	Bremner, John L.....	Admaston.
Anderson, Charles.....	Little Current.	Breen, Bernard.....	Garden River.
Anderson, John.....	Cartier.	Buie, Dougal.....	Providence Bay.
Adair, Thomas Albert....	Gananoque.	Baker, Thomas.....	Blind River.
Anderson, J. G.....	Alpena, Mich.	Blais, Felix.....	Hull, Que.
Alexander, Samuel.....	Arden.	Balsdon, George	Keewatin.
Adams, Wm.....	Westmeath.	Bromley, W. H.....	Pembroke.
Arkle, George.....	Kenora.	Bowers, Isaac.....	Little Current.
Armstrong, Jas. Theodore.	McKellar.	Brown, Thomas.....	Barrie.
Armstrong, Thomas J....	Arnprior.	Bass, Walter R.....	W. Huntingdon.
Acheson, Ira M.....	Westmeath.	Bates, Robert.....	Kenora.
Albert, Alfred E.	Ottawa.	Binnie, Thomas.....	Port Arthur.
Alma, John E.....	Hawkesbury.	Blair, William.....	Keewatin.
Adams, George A.....	Longford.	Bick, Thomas.....	Bobcaygeon.
Ansley, John Albert.....	Thessalon.	Burke, John Thomas....	Midland.
Ansley, John Jenkins....	Thessalon.	Buchan, Sterling.....	L'Orignal.
Ainslie, Alexander	Spanish.	Brown, Joseph A.....	Spanish.
Apleton, E. A.	Kenora.	Baird, P. C.....	Rainy River.
Arnill, William.....	Iron Bridge.	Brill, J. W.....	Mine Centre.
Adams, Fred.....	L'Orignal.	Beattie, Arthur W.....	Arnprior.
Alexander, R. Harvey....	Spragge.	Brock, H. S.....	Ottawa.
Alexander, J. Albert.....	Spragge.	Benson, John Bird.....	Midland.
Ainslie, Donald McF.....	Whitestone.	Brennan, Rich'd Lawrence	Peterborough.
Ansley, William.....	Thessalon.	Brown, Hugh Riside	Huntsville.
Argue, W. A.	Kearney.	Bryan, Frank.....	Keewatin.
Almers, John	Kenora.	Bennett, Edward Clinton.	Ahmie Harbour.
Allard, Telesphore Jos. .	W. Fort William	Blaine, Harvie Thomas..	Orillia.
Brophy, Michael Patrick.	Massey Station.	Barrett, Thomas	Barrie.
Boland, Abraham.....	Cartier.	Bickell, James Manuel...	Sault Ste. Marie.
Brown, Singleton.....	Bracebridge.	Buisson, William.....	Sudbury.
Barry, Thomas James	Hastings.	Borrett, James A.....	Sault Ste. Marie.
Blanchet, Paul Fred'k. .	Ottawa.	Bliss, C. Lidden	Sudbury.
Bird, W. S.....	Parry Sound.	Bray, James.....	Kinmount.
Bayley, James T.....	Gravenhurst.	Bremner, George.....	Arnprior.
Bell, Henry.....	Ottawa.	Bromley Samuel.....	Pembroke.
Beach, Herbert Mahlon....	Ottawa.	Brown, A. C.....	Fitzroy Harbour.
Barry, Thomas.....	Millbridge.	Berlinquet, Julius	Opimicon, Que.
Beatty, W. R.	Parry Sound.	Blastorah, Fred L.	Harwood.
Brooks, Frederick Wm....	Mackay's Station.	Burns, Clifton H.....	Little Current.
Brown, Robt. D.....	Port Sidney.	Beaumont, Ernest.....	Parry Sound.
Breed, Arthur G.....	Penetanguishene.	Beattie, Alex.....	Whitney.
Barnes, Thomas Geo. Lee.	Muskoka Mills.	Brennan, Reginald	Gravenhurst..
		Boyd, George.....	Gravenhurst..

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Bissell, Geo. Thomas.....	Trenton.	Campbell, J. M.....	Bracebridge.
Baxter, Richard.....	Deseronto.	Campbell, Robert.....	Bracebridge.
Breaugh, Edward.....	Deseronto.	Clairmont, Joseph.....	Campbellford.
Boyd, Geo. A.....	Thessalon.	Clarkson, Robert J.....	Parry Sound.
Buchan, Frederick.....	Arnprior.	Carruthers, Aaron.....	Hintonburg.
Bradbury, Kerwood.....	Blind River.	Calder, Wm. J.....	Bark Lake.
Belanger, John B.....	Mattawa.	Chew, Joseph.....	Gravenhurst.
Bird, J. F.....	Bracebridge.	Cole, James Colin.....	Ottawa.
Beddome, W. E.....	Dryden.	Cameron, Wm.....	Collin's Inlet.
Barrett, Patrick.....	Arnprior.	Cain, Robert.....	Midland.
Brundage, Alfred W.....	Pembroke.	Crawford, Stephen W.....	Thessalon.
Brougham, Thomas.....	Eganville.	Cochrane, George.....	Peterboro.
Blair, Robert I.....	Arnprior.	Coburn, John.....	Lindsay.
Benson, John W.....	Sturgeon Bay.	Crowe, Nathaniel.....	Bobcaygeon.
Beck, Chas. M., Jr.....	Penetanguishene.	Cameron, Alexander.....	Norman.
Beatty, W. J.....	Coldwater.	Chrysler, Frank R. L.....	Webbwood.
Burns, C. W., Jr.....	South River.	Callaghan, Thomas, Jr.....	Campbellford.
Bell, John Henry.....	Burk's Falls.	Carson, Hugh.....	Kenora.
Berry, Harold.....	Labelle, Q.	Calder, George.....	Woodville.
Black, George.....	Barwick.	Callaghan, Dennis.....	Campbellford.
Bettes, John Hiram.....	Muskoka Mills.	Corrigan, Robt. T.....	Emo.
Brady, John.....	Renfrew.	Cameron, John H.....	Kenora.
Brown, James.....	Buckingham, Q.	Carson, Melvin.....	Little Current.
Brooks, W. J.....	Blind River.	Cameron, John K.....	Spanish River.
Bertrand, Allan.....	Nairn Centre.	Cassidy, William.....	Little Current.
Brinkman, Alex. B.....	Sault Ste. Marie.	Coons, Geo. Washington.....	Peterboro.
Black, Jacob.....	Barwick.	Chisholm, Geo. Leopold.....	Sault Ste. Marie.
Beattie, W. J.....	Arnprior.	Clark, Wm. J.....	Birkendale.
Bromley, William.....	Westmeath.	Carr, Herbert E.....	North Bay.
Bissell, Hartie.....	Trenton.	Cochrane, Alfred L.....	Muldoon, Que.
Brown, Robert.....	Starrat.	Campbell, George.....	Fort Frances.
Beaton, Hugh.....	Waubauskene.	Chalmers, George James.....	Peterboro.
Bailey, Arthur.....	Parry Sound.	Caverly, David Charles.....	Parry Sound.
Burd, James Henry.....	Parry Sound.	Campbell, Archibald J.....	Little Current.
Bailey, Samuel James.....	Orillia.	Close, John L.....	Arnprior.
Burton, Tinswood.....	Renfrew.	Carmichael, Donald.....	Arnprior.
Boyes, James.....	Huntsville.	Carty, John.....	Arnprior.
Brown, John.....	Rockdale.	Cleary, Patrick M.....	Arnprior.
Brennan, Edward Scott.....	Sundridge.	Caldwell, James M.....	Callender.
Bell, John Arguey.....	Klock's Mills.	Cushing, John J.....	Davidson, Que.
Bromley Edw. H.....	Pembroke.	Crebo, William.....	Thessalon.
Bliss, Lawrence E.....	Byng Inlet.	Cullen, Michael J.....	Massey Station.
Buee, Nell.....	Spanish Station.	Cuthbertson, William.....	Arnprior.
Brazziel, Leonard.....	Spanish Station.	Carss, Percy.....	Thessalon.
Bowie, James.....	Bryson, Que.	Coghlan, Michael.....	Chapeau, Que.
Barrie, Nicholas J.....	Ottawa.	Cameron, Alexr. Gordon.....	Beauchene, Que.
Burke, J. D.....	Kenora.	Cassaday, W. W.....	Emo.
Bowen, Thomas.....	Deseronto.	Carter, Robert E.....	Fesserton.
Brown, James F.....	Baysville.	Coleman, Jos.....	Baysville.
Blastorah, Bernard.....	Harwood.	Cardiff, Geo. McDougall.....	Sudbury.
Brannan, William H.....	Pembroke.	Cameron, W. D.....	Kenora.
Bromley, Thomas.....	Webbwood.	Crandall, F.....	Port Arthur.
Barr, J. C.....	Fort Frances.	Campbell, James R.....	Eganville.
Bradley, J. M.....	Mine Centre.	Campbell, John A.....	Galleta.
Burns, Dominick.....	Webbwood.	Caillier, Hyacinth.....	Arnprior.
Blaikie, Campbell D.....	Fort Frances.	Chamberlain, Thomas.....	Bobcaygeon.
Bury, Henry J.....	Stratton.	Cooper, David Allan.....	Millbrook.
Campbell, Robert John.....	Flinton.	Cox, Henry.....	Ballerica, Que.
Carpenter, John A.....	Arnprior.	Currie, James.....	Ottawa.
Campbell, Alex. J.....	Trenton.	Clarkson, A. E.....	Midland.
Carson, James.....	Bracebridge.	Clairmont, E.....	Gravenhurst.
		Cameron, W. F.....	Sturgeon Bay.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Connolly, David.....	Gravenhurst.	Durrill, John W.....	Ottawa.
Campbell, P. C.....	Sault Ste. Marie.	Dickson, John.....	Sundridge.
Cadenhead, Alexander....	Midland.	Dickson, James L.....	Michipic'ten H'r.
Carpenter, R. J.....	Arnprior.	Dobie, Harry.....	Sault Ste. Marie.
Christie, William Pringle.	Savern Bridge.	Deacon, Charles.....	Sault Ste. Marie.
Campbell, C. V.....	Sault Ste. Marie.	Danter, R. W.....	Parry Sound.
Clegg, Samuel.....	Peterboro.	Doyle, T. J.....	Eau Claire.
Clairmont, William L....	Gravenhurst.	Dobie, Alexander R.....	Blind River.
Cook, Sydney P. W.	Spanish Station.	Darling, J. M.....	Wisawasa.
Corrigan, John.....	Baysville.	Dillon, John.....	Calabogie.
Chalmers, Alexander M....	Peterboro.	Durrell, Jos. Nelson.....	Prt'ge du F'rt, Q
Charlton, George A.....	Collingwood.	Durrell, John.....	Callender.
Cahill, Thomas.....	Nosbonsing.	Donally, Richard S.....	Sudbury.
Chew, Manley.....	Midland.	Devine, William.....	Cook's Mills.
Cooper, James Eddy.....	Saurin.	Durrill, William.....	Nosbonsing.
Cook, Reinhardt.....	South River.	Draper, Patrick.....	Quyon, Que.
Crowe, Cecil.....	Bobcaygeon.	Davis, J. P.....	Bobcaygeon.
Callaghan, Dennis.....	Trenton.	Dale, John Alexander....	Birkendale.
Collins, James.....	Barryville.	Dinsmore, Chas. L.....	Huntsville.
Claffey, Edward D.....	Fort William.	Drum, Patrick.....	Belleville.
Coyne, Phin.....	Chelmsford.	Durham, Edgar S.....	Rosseau.
Constantine, Eudore.....	Blind River.	Duquette, Chas.....	Webbwood.
Cameron, Ewan.....	Gordon Lake.	Davis, William Albert....	Bobcaygeon.
Campbell, Daniel N.....	Buckingh'm, Que.	Dickson, Robt. Alexander.	Keene.
Canniff, R. W.....	Kenora.	Dawkins, John.....	Gravenhurst.
Cassidy, S. C.....	Dunchurch.	Doxsee, James E.....	Gravenhurst.
Charleston, John Baptiste.	Ottawa.	Didier, L. P.....	Aylmer, Que.
Comer, Billa F.....	Tweed.	Devine, Patrick J.....	Sheenboro, Que.
Carter, George.....	Sundridge.	Dinsmore, Richard.....	Huntsville.
Corrigan, Robt. J.	Emo.	Dunn, Percy E.....	Longford Mills.
Caswell, Grant.....	Coldwater.	Duval, Chas.....	Halfway.
Caswell, Geo.....	Coldwater.	Donlevy, James.....	Calabogie.
Chemir, David A.....	Pembroke.	Doris, Patrick.....	Peterborough.
Clairmont, Philadelp L..	Gravenhurst.	Doris, John.....	Peterborough.
Crowe, Edgerton.....	Bobcaygeon.	Donahue, Michael.....	Erinsville.
Castonquay, A. C.....	Chelmsford.	Doran, W.....	Belleville.
Clark, Donald Allan.....	Port Arthur.	Dickson, Robert R.....	Kippewa, Que.
Charette, Herbert.....	Devlin.	Donlevy, Wm. C.....	Rockcliffe.
Christie, Uriah W.....	Fort Frances.	Duff, Chas. A.....	Stewartville.
Clark, Joseph C.....	Fort Frances.	Dean, James C.....	Kenora.
Crowe, Leslie.....	Bobcaygeon.	Duff, Peter A.....	Claybank.
Campbell, Duncan W.....	Stewartville.	Duncan, Downey.....	Rainy River.
Callahan, Thomas N.....	Arnprior.	Dougherty, J. M.....	Fort Frances.
Clements, Albert James..	Bent River.	Dunn, John F.....	Spanish Mills.
Carney, Albert.....	Sault Ste. Marie.	Dyke, Morris F.....	Blind River.
Collins, Arthur.....	Massey Station.	Devitt, Frank.....	Dinorwic.
Carter, George.....	Lavelle, Que.	Dickie, David.....	Port Arthur.
Chitty, Alfred E.....	Kenora.	Dupuis, Alfred.....	Keewatin.
Cardiff, Richard J.....	Arnprior.	Devlin, Samuel.....	Spanish Mills.
Conway, Thomas.....	Barry's Bay.	Dougherty, W. H.....	McLaren's Bay.
Costello, Thomas M.....	Antrim.	Duffy, William A.....	Callender.
Cross, R. J.....	Silver Islet.		
Clark, R. H.....	Port Arthur.	Enlaw, Oliver.....	Campbellford.
Clark, Wm. R.....	Port Arthur.	Ebert, Andrew P.....	Pembroke.
Coombs, A. B.....	Bracebridge.	Ellis, Alexander.....	Arnprior.
Cameron, A. F.....	Emo.	Ellis, John.....	Westmeath.
Campbell, J. S.....	Fort Frances.	Errington, Joseph.....	Sundridge.
		Eddington, Henry John...	Parry Sound.
Didier, Hector.....	Mattawa.	Enright, Daniel.....	Port Arthur.
Doran, Frank.....	Barryvale.	Eager, James.....	Parry Sound.
Dunning, E. Percival....	Parry Sound.	Elliott, Porter P.....	Mine Centre.
Duff, R. J.....	Arnprior.	Elliott, William.....	Cache Bay.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Edgar, J. E.....	Kenora.	Fortune, Percy H.....	Blind River.
Elliott, George E.....	Peterborough.	Fraser, Wm. Foster.....	Sault Ste. Marie.
Edwards, Joseph K.....	Gillies' Depot.	Fraser, Allan H.....	Thessalon.
Eldridge, Robert.....	Fort Frances.	Farquharson, James.....	Tomiko.
		Fink, John.....	Mattawa.
		Fletcher, Nicol B.....	Parry Sound.
Fraser, John A.....	Kenora.		
Ferguson, Wm. H.....	Red Bay.	Griffith, Geo. F.....	Pembroke.
Forbes, Chris. McKay.....	McLean's Depot.	Graham, John.....	Arnprior.
Fitzgerald, E. Clair.....	Parry Sound.	Golden, John.....	Gilmour.
Farrell, W. H.....	Ironside, Que.	Gunter, Henry M.....	Trenton.
French, Lewis William.....	Byng Inlet.	Goltz, Ernest.....	Bardsville.
Fraser, William A.....	Mattawa.	Green, Forman A.....	Gilmour.
Finerty, Patrick.....	Rochfort.	Green, Samuel E.....	Parry Sound.
Farnand, Frank.....	Diamond.	Grant, John.....	Flinton.
Fulton, Philip S.....	Spanish Station.	Green, Arthur.....	Ottawa.
Fitzgerald, Ulyot C.....	Parry Sound.	Green, Norman McL.....	Bancroft.
Fenn, George.....	Bracebridge.	Gillis, John J.....	Whitefish.
Fortune, Owen.....	Trenton.	George, R. W.....	Parry Sound.
Fraser, David.....	Norman.	Gardiner, John.....	Parry Sound.
France, John.....	Collin's Inlet.	Golden, Frank J.....	Trenton.
Ferguson, Ernest A.....	Baysville.	Garson, Robert.....	Thessalon.
Ferguson, Alpen.....	Mattawa.	Gropp, August.....	Penetanguishene.
Ford, John William B.....	P'tige du F'rt, Q.	Grozelle, Antoine D.....	Muskoka Mills.
Ford, Charles.....	Wahnapiatae.	Goulais, James.....	Peterborough.
Findlay, J. H.....	Braeside.	Grayson, Charles.....	Keewatin.
Fraser, James.....	Renfrew.	Gladstone, Harry E.....	Cook's Mills.
Fairen, Francis.....	Peterborough.	Guertin, Oliver.....	Biscotasing.
Faulkner, Jos.....	Fesserton.	Gelinas, Frank.....	Hull, Que.
Fraser, Alexander, Jr.....	Westmeath.	Gwynne, John.....	Hawkesbury.
Fairbairn, William.....	Calabogie.	Gray, Frederick M.....	Brule Lake.
Fraser, Wm. A.....	Pembroke.	Graham, Edward G.....	Wahnapiatae.
Fraser, Foster.....	Pembroke.	Griffin, James.....	Spanish River.
Fraser, Wm.....	Little Current.	Gordon, Alexander B.....	Pembroke.
Fraser, Hugh Alexander.....	Pembroke.	Gareau, Noah J.....	Pembroke.
Flaherty, John.....	Lindsay.	Gillies, D. A.....	Carleton Place.
Fisher, Wm.....	Trenton.	Gilligan, Edward.....	Mattawa.
Fox, Thomas.....	Deseronto.	Gladman, Charles.....	Parry Sound.
Fallis, James W.....	Sturgeon Bay.	Garrow, John D.....	Ottawa.
Fairbairn, N. H.....	Webbwood.	German, William Burton.....	Wahnapiatae.
Friel, John.....	Trenton.	Gordon, Robert W.....	Pembroke.
Fox, Charles.....	Trenton.	Guertin, Nelson.....	Petawawa.
Featherstonehaugh, W. H.....	Penetanguishene.	Gardner, John.....	Kenora.
Friar, Schuyler.....	Westmeath.	Gunter, Peter M.....	Gilmour.
Farren, Joel.....	Savanne.	Glennie, William.....	Millbridge.
Fraser, Duncan.....	Big Forks.	German, Maurice J.....	Fenelon Falls.
Freestone, Walter.....	Burk's Falls.	Gillies, John A.....	Braeside.
Fraser, John.....	Bancroft.	Goddin, Edward.....	Griffith.
Fitzgerald, D. C.....	Spanish Station.	Grant, Joseph.....	Eganville.
Foster, Wm. C.....	Searchmont.	Gilmour, James B.....	Braeside.
Frazer, Jas. C.....	Spanish Mills.	Gorman Joseph P.....	Sault Ste. Marie.
Fremlin, H. P.....	Richards' Land'g.	Gordon, Thomas A.....	Hall's Bridge.
Foster, Ed. G.....	Sault Ste. Marie.	Gray, Albert H.....	Biscotasing.
Farrel, Peter M.....	Whitefish.	Gadway, John.....	Parry Sound.
Fairhall, Edward.....	Whiteside.	Garrow, Edward.....	Webbwood.
Fraser, Levi.....	Bracebridge.	Golding, William.....	Dorset.
Fiddes, James.....	Rainy River.	Gillies, Harry.....	White Lake.
Frawley, Frank.....	Orillia.	Gordon, Herbert C.....	Nelson.
Fisher, George.....	Sault Ste. Marie.	Gillespie, M. H.....	Cook's Mills.
Filiatrault, J. A.....	Blind River.	Griffin, William.....	Huntsville.
Farrier, John William.....	Chapleau.	Ganton, David.....	Trout Creek.
Finney, Benjamin B.....	Fort Frances.	Graham, George L.....	Arnprior.
Follis, Frank C.....	Hawkesbury.		

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Graham, Frederick S.....	Arnprior.	Hall, Charles Asa.....	Penetanguishene.
Gill, Cuthbert.....	Orillia.	Hearl, John.....	Callender.
Graham, James Robert....	Kenora.	Howe, Isaac.....	Fort Frances.
Graham, Thomas Jordan....	Byng Inlet.	Halliday, James.....	Springtown.
Gaudaur, Antoine Daniel..	Orillia.	Hurdman, J. A.	Ottawa.
Gorman, Patrick.....	Eganville.	Hawkins, Stonewall J. ...	Meldrum Bay.
Guy, Charles.....	Fort Frances.	Hinchcliffe, William	Gunter.
Graham, George H.....	Gillies Depot.	Henderson, Arthur.....	Baysville.
Greer, George P.	Port Arthur.	Hillis, James M.....	Sutton West.
Gill, Charles.....	Fort Frances.	Harris, Wm., Jr.	Day Mills.
Gamey, William H.....	Englehart.	Hogg, W. J.	North Bay.
Gorman, Michael J.....	Diver.	Hoxie, E. P.....	Katrine.
Grier, Roy B.....	Kenora.	Hawkins, Walter.....	Pembroke.
Greer, Samuel H.....	Gore Bay.	Howard, James.....	Eganville.
Gilbert, Sidney N.....	Rainy River.	Howard, William.....	Baysville.
Guilbeault, A. T.	Klock's Mills.	Hogan, Enos W.....	Savanne.
		Horne, John T.....	Fort William.
Hale, Thomas.....	Pembroke.	Hamilton, Chas. E.....	Kenora.
Hogan, Albert J.	Sault Ste. Marie.	Henderson, Leonard.....	Baysville.
Hagen, Edmund G.	Little Rapids.	Hunter, Thos.....	Callender.
Hagen, Wilson.....	Thessalon.	Hamilton, Robert J.....	Ottawa.
Hurd, Cyrus.....	Parry Sound.	Hawkins, William A.....	Pembroke.
Henderson, Albert E.	Burford.	Herring, Edward C.....	Sebright.
Hale, John B.....	Sault Ste. Marie	Hatch, J. W.....	Dryden.
Hickerson, Melvin T.....	Fort Frances.	Hoard, Wm. Paris.....	Emo.
Howey, George H.....	Fort Frances.	Hartman, W. R.....	Blind River.
Hartt, James.....	Gilmour.	Hill, Ernest L.....	Hawkesbury.
Hayes, James.....	Enterprise.	Hall, Samuel S.....	Marmora.
Humphrey, T. W.....	Gravenhurst.	Hasleton, Constantine ...	Killaloe.
Huckson, A. H.....	French River.	Hamilton, A. J.	Spragge.
Handley, Robert.....	Douglas.	Heggart, E. C.....	Trout Mills.
Howe, Alexander.....	Queensborough.	Hunt, Ronald E.....	Massey.
Hurd, Edwin.....	Hurdville.	Hurd, Asahel.....	Parry Sound.
Huff, J. S. Morris.....	Arnprior.	Howe, Peter.....	Fort Frances.
Halliday, Robert J.....	Lindsay.	Hammond, Samuel H.....	Fort Frances.
Hutton, John.....	Hutton House.	Hunt, Alex. D.	Pearl River.
Hutchinson, Wm. E.....	Huntsville.	Home, John F.	Keewatin.
Hogarth, Joseph Rowan..	Pembroke.	Hay, Benjamin.....	Port Arthur.
Humphrey, John.....	Gravenhurst.	Hogan, John.....	Savanne.
Hill, Joshua.....	Midland.	Hargis, Thos.	Port Arthur.
Hall, David.....	Lovering.		
Hartley, Charles.....	Peterborough.	Irving, Thos. H.....	Parry Sound.
Hawkins, Henry Chas....	Blind River.	Irwin, Eli.....	Kenora.
Hines, Philip Wallace....	Huntsville.	Irving, Edward C.....	Kenora.
Hudson, John Lewis.....	Combermere.		
Hurdman, William H....	Ottawa.	Johnston, Ralph E.....	Port Arthur.
Hughes, John.....	North Bay.	Johns, Frank A.....	Toronto.
Howie, R. G.....	New Liskeard.	Jackson, Robert.....	Brechin.
Helferty, Dennis.....	Eganville.	Johnson, Finlay.....	Bracebridge.
Hamilton, Robert.....	Kenora.	Jones, Albert.....	Victoria Harbor.
Hoppins, Abiram.....	Kingston.	Johnson, Thomas.....	Bobcaygeon.
Hoppins, Densmore.....	Kingston.	Johnston, Archibald M....	Norman.
Haystead, John.....	Parry Sound.	Jullen, Charles.....	Trenton.
Henderson, John Irwin...	Bobcaygeon.	Junkin, Henry.....	Marmora.
Hartley, William.....	Millbridge.	Johns, Frank.....	Nipissing Junct'n.
Higgins, John C.....	Peterborough.	Jessup, Edward D.....	Cache Bay.
Harrison, John, Jr.....	Pembroke.	Johnson, Frank N.	Ottawa.
Hawkins, E.....	La Breton Flats.	Johnston, John.....	Peninsular Lake
Henderson, Charles.....	Bracebridge.	Johnson, S. M.....	Arnprior.
Halliday, Frank.....	Parry Sound.	Jones, Frederick James..	Flinton.
Hammond, W.....	Orillia.	Johnston, William A.....	Castleford.
		Jervis, Henry.....	Wisawasa.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Jones, William.....	Fenelon Falls.	Lochnan, James.....	Ottawa.
James, Martin.....	The Flats.	Link, Henry W.....	Ottawa.
Johnston, James.....	Fort Frances.	Ladarotte, John.....	Arnprior.
Johns, Alexander.....	Callender.	Lochnan, John.....	Aylmer, Que.
Jackson, John A.....	Barwick.	Lozo, John.....	Trenton.
Johnson, Thomas.....	Fort Frances.	Loughrin, Lawrence.....	Pembroke.
Johnston, George N.....	North Bay.	Linton, J. H.....	Parry Sound.
Kintree Stuart.....	Little Rapids.	Ludgate, James.....	Peterborough.
Kerby, John.....	Belleville.	Lee, Robert.....	Huntsville.
Kennedy, Robert.....	Marmora.	Langford, Mark.....	Baysville.
Kirby, Louis Russell.....	Ottawa.	Letherby, Edwin.....	Midland.
Kennedy, Timothy.....	Enterprise.	Leahy, Francis M.....	Chapeau, Que.
Kirk, Henry.....	Trenton.	Langford, Henry.....	Baysville.
Knox, Milton.....	Ottawa.	Lessard, Philip.....	Kenora.
Kinsella, Michael Pierce.....	Trenton.	Lovering, William James.	Coldwater.
Kitchen, D.....	French River.	Lane, Maurice.....	Bobcaygeon.
Kelly, Jeremiah.....	Sudbury.	Lenton, George.....	Peterborough.
Kelly, Ferdinand.....	Mattawa.	Lowe, Thomas A.....	Renfrew.
Kennedy, T. J.....	Arnprior.	Livingston, Robert M.....	Huntsville.
Kenning, Henry.....	Pembroke.	Londry, William E.....	Sault Ste. Marie.
Kirby, D. F.....	Belleville.	Labelle, James.....	Waltham, Que.
Kirkpatrick, David.....	Lindsay.	Labelle, Eli.....	Waltham, Que.
Kean, John F.....	Orillia.	Ladurante, J. D.....	Ottawa.
Kellett, Fred.....	Keewatin.	Ludgate, Theodore.....	Peterborough.
Kelly, Michael J.....	Baysville.	Lucas, Frank.....	Sault Ste. Marie.
Kirk, William James.....	Webbwood.	Lunam, Duncan.....	Collfield, Que.
Kerr, E. G.....	Thessalon.	Lott, George.....	Trenton.
King, Napoleon.....	Mattawa.	Lawrie, John D.....	Parry Sound.
Kean, B. F.....	Orillia.	Lovering, George Francis.	Coldwater.
Kemp, Orval Wesley.....	Trenton.	Lucas, R. G.....	Christina.
Kirk, Charles Barron.....	Queensborough.	LeBlanc, Edmund C.....	Chapleau.
Kingsland, W. P.....	Ottawa.	Lavigne, John.....	Aylmer, Que.
Kerr, John B.....	Arnprior.	Landell, Charles S.....	Huntsville.
Kennedy, Walter.....	Arnprior.	Long, Henry Elisha.....	Mattawa.
Kennedy, John.....	Pembroke.	Lynch, W. H.....	Collingwood.
Knox, Wm. M.....	Fesserton.	Laplante, Francis.....	Byng Inlet.
Kingston, Robert.....	Wisawasa.	Lindsay, James.....	Arnprior.
Kearnan, Edward.....	Blind River.	Labelle, Michael.....	Arnprior.
Kearney, Michael John.....	Buckingham, Qu.	Legree, John.....	Dacre.
Kendrick, John.....	Burk's Falls.	Legree, James L.....	Calabogie.
Kendrick, John L.....	Burk's Falls.	Leigh, John Chas.....	Gravenhurst.
Kennedy, John W.....	Ottawa.	Lloyd, Edward B.....	King.
Kelly, James F.....	Trout Creek.	Lemyre, Bruno.....	Gravenhurst.
Kauffman, Jullas.....	Blind River.	Lavelle, Charles H.....	Canoe Lake.
Kennedy, Sylvester.....	Brule Lake.	Lyons, James.....	Waltham Sta., Q.
Kernahan, George A.....	Barwick.	Ledwood, Charles.....	Ottawa.
Kehoe, Martin.....	Huntsville..	Levelle, Emrey.....	Waltham Sta., Q.
Kennedy, Daniel J.....	Spanish.	Little, Theo.....	Kenora.
Kay, Arthur.....	Norman.	Lehman, Joseph.....	Stratton Station.
Leannoth, Francis.....	Arnprior.	Lafare, Mark.....	Cache Bay.
Lee, James.....	Warren.	Leach, George.....	Vermilion Bay.
Lloyd, Alfred.....	Severn Bridge.	Lott, Angus M.....	Spanish Mills.
Lawrie, Frank A.....	Parry Sound.	La Belle, Ambrose.....	Kenora.
Latimer, Jas.....	Frank's Bay.	La Breen, Douglas.....	Kenora.
Lemyre, Middey.....	Campbellford.	Lavelle, Michael J.....	Blind River.
Lutz, Jacob.....	Parry Sound.	Lyleton, J. E.....	Parry Sound.
Luby, John E.....	Ottawa.	Lalor, William J.....	Aspdin.
Law, Wm. J.....	Markstay.	Lalonde, Joseph Maxine ..	Link.
Lummis, Daniel.....	Glanmire.	Laderoute, Michael.....	Arnprior.
Lowe, W. C.....	Port Arthur.	Leroy, Levi H.....	Port Arthur.
Londry, S. C.....	Sault Ste. Marie.	Lusigneau, Arthur.....	Pembroke.
		Link, John.....	Link P.O.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Malloy, Mark	Baysville.	Milne, Fred.	Trout Mills.
Martin, Hugh	Sault Ste. Marie.	Milne, William H., Jr.	North Bay.
Miller, R. O.	Gravenhurst.	Murphy, Dennis.	Thessalon.
Morrison, James.	Toronto.	Mackie, Thomas.	North Lake.
Murray, Frederick	Huntsville.	Miller, P. H.	Blind River.
Menzies, Archibald.	Burk's Falls.	Munro, Philip.	Braeside.
Manning, James.	Trenton.	Mangan, Patrick.	Arnprior.
Martin, Philip.	Stoco.	Marcil, Peter.	Ottawa.
Malone, Wm. Patrick	Ottawa.	Main, Samuel.	Spanish Station.
Marsh, Esli Terrill	Trenton.	Morley, Charles.	Huntsville.
Miller, John W.	Huntsville.	Moore, David Henry.	Peterborough.
Muchinbacker, Asa.	Rosseau Falls.	Murphy, John.	Arnprior.
Morris, Geo. F.	French Bay.	Mathieson Daniel.	Chelmsford.
Murray, George, Jr.	Waubauskene.	Milne, Wm.	Ethel.
Maughan, Joseph.	Fort William.	Mangan, Charles.	Burk's Falls.
Margach, Wm. J.	Port Arthur.	Mooney, Lincoln.	Orillia.
Murray, George, Sr.	Waubauskene.	Mangan, John.	Arnprior.
Manice, Wm.	Peterborough.	Mooney, Thomas.	Kingston.
Murray, Wm.	Kenora.	Mason, Robt. T.	Rochesterville.
Morgan, Richard J.	Kenora.	Moore, Wm. John.	Gravenhurst.
Magee, Thomas Arthur.	Kenora.	Morrison, Donald.	Reay.
Murdoch, James.	Cook's Mills.	Moore, Wm.	Bobcaygeon.
Mulvahill, Wm.	Arnprior.	Mutchenbacker, Herman. .	Rosseau Falls.
Murphy, Arthur.	Ottawa.	Moore, Norman.	Arnprior.
Mayhew, Jacob.	Northcote.	Morley, John R.	Kenora.
Molyneaux, George	Parry Sound.	Mackay, J. A.	Big Forks.
Milway, Joseph.	Fort William.	Miller, Robt.	Montreal.
Mackie, Nathan.	Port Arthur.	Mackey, Levi Ralph.	Keewatin.
Milne, Archie.	Arnprior.	Morley, Frank W.	Kenora.
Murray, James.	Peterborough.	Madden, F. M.	Halleybury.
Moore, James A. E.	Lakefield.	Miller, Walter E.	Owen Sound.
Merkley, William A.	Ottawa.	Murray, Robt.	Berriedale.
Murphy, Hugh R.	Ottawa East.	Mills, W. J.	Cache Bay.
Murphy, W. J.	Arnprior.	Martin, Oscar.	Buckingham, Que.
Murray, William.	Markstay.	Margach, Jas. A.	Kenora.
Martin, Edgerton.	Markstay.	Murray, Peter.	Emo.
Mathieson, Archie.	Fort Frances.	McCaw, Joseph E.	Tweed.
Moore, Henry R.	Lakefield.	McLaren, Peter.	Kenora.
Mickle, Chas S.	Gravenhurst.	McGregor, Colin F.	Kenora.
Mullen, James.	Webbwood.	McKenzie, Robert.	Kenora.
Morley, A. W.	Winnipeg.	McPadyen, A. J.	Bracebridge.
Macdonald, James M.	North Bay.	McCaulay, Thos. J.	Goulais Bay.
Money, Harry.	Halleybury.	McDonald, John C.	Spanish Mills.
Mather, Allen.	Keewatin.	McKenzie, Alex E.	Ansonia.
Menzies, Alexander.	Sault Ste. Marie.	McIntyre, John.	Arnprior.
Munro, Peter P.	Commanda.	McDermott, Thos.	Orillia.
Mason, Benjamin.	Westmeath.	McDermott, Jas. E.	North Bay.
Monaghan, John B.	Arnprior.	McCrindle, Jas.	Sudbury.
Monaghan, M. J.	Arnprior.	McGhie, Chas. S.	Whitestone.
Mulvihill, John.	Arnprior.	McGenigal, John H.	Whitby.
Moran, Andrew.	Rockingham, Qu.	McCart, Patrick.	Arnprior.
Mulvihill, Michael.	Arnprior.	McGrath, Thos. B.	Peterborough.
Mann, John.	Manitowaning.	McCormick, James J.	Trenton.
Marrigan, Richard.	Deseronto.	McCarthy, Wm.	Fenelon Falls.
Monaghan, John Dorland. .	Deseronto.	McAvoy, Owen.	Campbellford.
Matheson, Wm.	Chelmsford.	McConnell, Lewis.	Fesserton.
Munro, Alex. G.	Braeside.	McMullen, George.	Sprague.
Murphy, Oliver A.	Marksville.	McNab, Angus.	Burnstown.
Mellor, Charles.	Port Arthur.	McColgan, C. H.	Quyon, Que.
Millions, Harry.	Gillies' Depot.	McCallum, Webster.	Arnprior.
MacDonell, R. D.	Biscotasing.	McFarlane, Robert L.	Warren.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
McCagherty, Robert E....	Westmeath.	McConnachie, Roy Stewart	Huntsville.
McNab, Archie.....	Calabogie.	McDonnell, J. K.....	Kenora.
McDonald, Malcolm.....	Spragge.	McDonald, Alex. J.....	Vermilion Bay.
McIvor, J. A.....	Fort Frances.	McKay, D. A.....	Rainy River.
McCulloch, M.....	Kenora.	McMillan, James.....	Kenora.
McDonagh, Rod.....	Callender.	McPhee, Ronald.....	Bracebridge.
McManus, James.....	Arnprior.	McKay, George Donner..	Dorset.
McKinley, J. H.....	Curran.	McWilliams, Maxwell	Peterborough.
McPherson, Jas. S.....	Rama.	Theodore.....	
McKinley, Edward C....	Toronto.	McLeod, John.....	Keewatin.
McClelland, John.....	Parry Sound.	McPherson, George.....	Keewatin.
McFarlane, J. W.....	Cache Bay.	McDougall, John D.....	Kenora.
McDonald, Roderick.....	Pembroke.	McGregor, Duncan.....	Burnstown.
McCormack, Wm.....	Pembroke.	McLean, Peter W.....	Sand Point.
McCreary, William.....	Arnprior.	McNichol, John.....	Sudbury.
McCuaig, James C.....	Bryson.	McInnis, D. E.....	Cache Bay.
McColman, Peter.....	North Bay.	McLaughlin, Samuel.....	Waubauskene.
McLeod, James D.....	Gravenhurst.	McCollam, John.....	North Bay.
McCrimmon, N. K.....	Blind River.	McManus, John C.....	Arnprior.
McCreary, James, Jr....	Arnprior.	McLean, John.....	Blind River.
McPhee, Hugh.....	Byng Inlet.	McLeod, Norman.....	Garden River.
McCudden, James.....	Arnprior.	McLean, James.....	Blind River.
McLachlin, J. A.....	Arnprior.	McNally, J. A.....	Desbarats.
Macpherson, John.....	Ottawa.	McNab, Alexander.....	Arnprior.
McEachren, John A.....	Gravenhurst W.	McFarlane, Alexander...	Renfrew.
McLeod, Dugald.....	Gravenhurst.	McFarlane, J. D.....	Stewartsville.
McClelland, R. H.....	Parry Sound.	McFarlane, Duncan.....	Renfrew.
McEvoy, Frank.....	Campbellford.	McKendry, Wm. B.....	Arnprior.
McDermott, Peter.....	Orillia.	McPhee, Hugh.....	Renfrew.
McIlroy, John.....	Madoc.	McPhee, John.....	Arnprior.
McNab, Robert J.....	Parry Sound.	McLachlin, Peter.....	Arnprior.
McFadden, James.....	Ottawa.	McLachlin, Alexander...	Arnprior.
McIntosh, James G.....	Carleton Place.	Mackey, Edward.....	Arnprior.
McInnis, Hector D.....	Bracebridge.	McEwan, Henry.....	Trenton.
McKinnon, Malcolm.....	Bracebridge.	McDonald, Alfred.....	Peterborough.
McLean, Daniel.....	Bracebridge.	McGeary, John J.....	Sundridge.
McKinnon, Archie J.....	Bracebridge.	McDonald, Archibald W...	Gilmour.
McKay, D. C.....	Baysville.	McGaw, John Gillen....	Queensborough.
McDonald, James.....	Parry Sound.	McCauley, Barney.....	Trenton.
McPherson, Allan.....	Longford.	McDougall, James T....	Klock's Mills.
McDonald, James P....	French River.	McInenly, Thomas.....	Quebec, Que.
McFarlane, Jos. C.....	Port Severn.	McBride, Archibald....	Arnprior.
McNabb, Alexander.....	Thessalon.	McFarlane, Robert L....	Arnprior.
McGillivray, Archibald...	Port Arthur.	McGowan, Wm.....	Parry Sound.
McGrane, Edward.....	Lindsay.	McLachlin, Norman.....	Arnprior.
McLeod, Donald, Jr....	Keewatin.	McDonald, Laughlin.....	Pendleton.
McDonald, Hector R.....	Thessalon.	McIvor, William J.....	Collin's Inlet.
McDougall, Duncan.....	Bracebridge.	McKee, John P.....	Sturgeon Falls.
McNabb, Alexander D....	Warren.	McGowan, Thomas.....	Parry Sound.
McCormack, John C.....	Sudbury.	McDermot, Patrick.....	South River.
McNamara, John.....	Byng Inlet.	McKay, Angus.....	South River.
McGillivray, Duncan D...	Algoma Mills.	McDonald, A. J.....	Longford.
McIntyre, Daniel A.....	Klock's Mills.	McInnis, Angus D.....	Gravenhurst.
McNamara, Lewis.....	Klock's Mills.	McKendry, Alexander...	Waubauskene.
McDonald, Sydney C.....	Mattawa.	McGuire, Timothy.....	North Bay.
McGurn, John J.....	Buckingham, Qu.	McGrath, John.....	Peterborough.
McKeown, Jno. Joseph..	Port Arthur.	McWilliams, Jno. Bannon.	Peterborough.
McNeel, David.....	Sault Ste. Marie.	McCagherty, Patrick....	Westmeath.
McEwan, Andrew.....	Thessalon.	McKendry, Daniel.....	Arnprior.
McCool, Christopher L...	Cartier.	MacDonald, D. F.....	Parry Sound.
McCollom, Donald.....	Arnprior.	McManus, Thomas J.....	Renfrew.
McDowell, Wm.....	Cache Bay.	Macfarlane, David R.....	Ottawa.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
McColgan, Edward.....	Quyon, Que.	Nevison, Herbert.....	Kenora.
McKay, John.....	Emo.	Nicholson, John.....	Owen Sound.
McKinnon, William.....	Kenora.	Newall, John H.	Parry Harbour.
McKittrick, Frank R. F..	Kenora.	Nolan, John.....	Gravenhurst.
McMichael, Charles.....	North Seguin.	Newton, Charles W.	Victoria Harbour.
McIlroy, Thomas Davis...	Madoc.	Nent, Charles.....	Vermilion Bay.
McDonald, Wm. Henry...	Trenton.	Needham, John G.	Pakenham.
McGaw, Wm. Thomas....	Callender.	Netterfield, David	John's Island
McMillan, L.....	Callender.	Nault, James	Fort Frances.
McDermott, John L.....	Orillia.		
McDonald, Chas. M.....	Pembroke.	Oullette, Joseph P.....	Cutler.
McPhee, Benjamin.....	Pembroke.	O'Neill, Thomas.....	Bancroft.
McGee, John Edward....	Parry Sound.	O'Neill, Daniel H. H....	Arnprior.
Macfarlane, Mack.....	Arnprior.	O'Leary, Patrick J.....	Orillia.
MacCallum, Alexander...	Braeside.	Oliver, Charles R.....	Fesserton.
McRae, Farquhar.....	Kenora.	Overend, George J.....	Longford Mills.
MacCallum, Albert.....	Arnprior.	O'Brien, Andrew.....	Ottawa.
McGonigal, John.....	Arnprior.	O'Brien, Frank G.....	Arnprior.
McConachie, John.....	Huntsville.	Oliver, J. A.....	Fort William.
McKay, D. G.....	Kenora.		Wabigoon.
McDonald, James.....	Peterborough.	Owen, W. J.....	Hintonburg.
McCulloch, John L.....	Lonsdale.	O'Connor, John.....	Wahnapiatae.
McConnell, James.....	Mine Centre.	Oliver, Darcy.....	Nosbonsing.
McIntyre, William John..	Fort Arthur.	O'Neill, James W.....	North Bay.
McDonald, Allen.....	Big Forks.	O'Donnell, Wm.....	Penetanguishene.
McLay, Albert.....	Devlin.	Owens, Richard.....	Basin Depot.
McQuarrie, Daniel.....	Fort Frances.	O'Reilly, Patrick.....	Cartier.
McNaughton, Daniel.....	Bracebridge.	O'Neill, Mark.....	Renfrew.
McCagherty, William E..	Westmeath.	Orrill, John.....	Trenton.
McDonald, John D.....	Mattawa.	O'Neill, Patrick.....	Bancroft.
McCagherty, Joseph T....	Westmeath.	Orde, Francis W.....	Kenora.
McAdam, Arch H.....	Quyon, Que.	O'Driscoll, Joseph.....	Sault Ste. Marie.
McMurphy, Dugald, Jr...	Kenora.	O'Gorman, Peter.....	Blind River.
McCall, Alfred.....	Kenora.	Ogden, L. M.	Fort Frances.
McRitchie, William.....	Kenora.		
McRitchie, Malcolm.....	Kenora.	Pigott, John.....	Fitzroy Harbour.
McDonald, John Harold..	Rydal Bank.	Paul, Charles A.....	Sault Ste. Marie.
McAuley, William Davis..	Sault Ste. Marie.	Patinson, Thos.....	Bracebridge.
McCallum, Thomas.....	Fort William.	Price, A. E.....	Arnprior.
McWhinney, Fred.....	Kenora.	Presley, J. F.....	Ashton.
McNairney, Hugh H.....	Sudbury.	Power, James.....	Bobcaygeon.
McKelvie, William.....	Otter Lake Sta.	Patzel, Adolph.....	Arnprior.
McGovern, Frank.....	Sault Ste. Marie.	Plaunt, William B.....	Eganville.
McCallum, Gordon.....	Fort Frances.	Plaunt, Joseph.....	Eganville.
McCallum, Henry.....	Fort Frances.	Porter, Charles C.....	Longford.
McLaughlin, Russell.....	Spanish Mills.	Preston, R. E.....	Kenora.
McAdam, Miner S.	Quio, Que.	Petrie, Geo. A.	Fergus.
McDougall, David A. .	Nesterville.	Pomeroy, Peter.....	Trenton.
McLeod, William A.	Manitowaning.	Perry, Pringle K.....	Byng Inlet, N'th.
McKee, D. A.	Wylie.	Purcall, W. G.....	Ottawa.
McKay, Norman.....	Fort Frances.	Purvis, John.....	Parry Sound.
McIntosh, Wm.	Biscotasing.	Porter, James.....	Uphill.
McMahon, Edwin.....	Nesto P.O.	Pearson, John James ...	Lindsay.
McGowan, Thos.	Parry Sound.	Penney, Chas G.....	Cache Bay.
McDonald, Norman.....	Keewatin.	Pennock, James P.	Hardwood Lake.
McLeod, John C.	Port Arthur.	Purdy, John A.....	Uxbridge.
		Playfair, R. J.....	Blind River.
Nescott, George.....	Kenora.	Paterson John.....	Wahnapiatae.
Newton, Frank.....	Gravenhurst.	Paterson, Alexander....	Orillia.
Newburn, Wm.....	Parry Sound.	Parke, James.....	Gravenhurst.
Niblett, James.....	Arnprior.	Parquette, Oliver.....	Webbwood.
Niblett, Robert.....	Osceola.	Palmateer, Sherman....	Gravenhurst.

List of Persons holding Cullers' Licenses.—Continued.

Name.	P. O. Address.	Name.	P. O. Address.
Paget, George.....	Huntsville.	Ramsay, Charles.....	Sudbury.
Pounder, Joseph.....	Westmeath.	Russell, Corsan L.....	Pembroke.
Pell, Richard D.....	Arnprior.	Richards, Henry.....	Dacre.
Perry, Frederick.....	Port Arthur.	Ryan, Wm.....	Killaloe.
Paget, Charles Edward...	Novar.	Reid, John P.....	Spanish Mills.
Porter, Thos. Robt. Mark.	Dorset.	Ridley, Robert.....	New Liskeard.
Pountney, E. J.....	Arnprior.	Riley, Charles W.....	Hutton House.
Pyburn, David J.....	Dorset.	Raymond, Morris T.....	Spanish Mills.
Purdy, Geo.....	Hintonburg.	Rooney, Wm. H.....	Campbellford.
Playfair, Andrew Wm....	Sault Ste Marie.	Revell, J. O.....	Dryden.
Pipe, Taylor.....	Haileybury.	Rankin, Anthony	Cache Bay.
Pipher, George E.....	Mowat.	Ross, Angus.....	Orrville.
Pendee, David.....	Parry Sound.	Robinson, Albert E.....	Washago.
Piper, A. J.....	Blind River.	Robinson, Edward.....	Washago.
Paget, Alfred H.....	Ahmie Harbour.	Robinson, Thomas G.	Washago.
Powers, John J.....	Trout Mills.	Raycroft, William T.....	Sarnia.
Pigott, William D.....	Fitzroy Harbour.	Roberts, Ivor M.....	Garden River.
Potts, Cyril.....	North Lake.	Revell, Lionel Oliver.....	W. Gravenhurst.
Pilkey, William.....	La Vallee.	Regan, Judd Patrick.....	Orillia.
Pointer, Roy R.....	Pembroke.	Robins, Etna Rosedale...	Orillia.
Piper, Roy.....	Blind River.	Regan, John, Jr.....	Orillia.
Quinn, William.....	Peterborough.	Ryan, James.....	Savanne.
Quigley, Hugh.....	Penetang.	Rusk, Oscar W.....	Cache Bay.
Quirk, Thomas J.....	Petawawa.	Robinson, Thos. Geo.....	Bracebridge.
Quance, Louis F.....	Berriedale.	Rootsby, Wm.....	Campbellford.
Robertson, D.....	Kenora.	Ramesbottom, Robt.....	Byng Inlet.
Richardson, Fred'k George	Trenton.	Roy, Lewis.....	Arnprior.
Richards, Richard.....	Tamworth.	Riddell, Horace A.....	Galetta.
Riddell, Geo. Alexander..	Rochesterville.	Rowan, A. L.....	Sault Ste. Marie.
Robertson, Lewis McLean.	Dunchurch.	Ritchie, James A.....	Spragge.
Robinson, Wm. F.....	Bobcaygeon.	Ross, George Joseph.....	Schrieber.
Reamsbottom, Wm.	Mattawa.	Rowe, Frank E.....	Hymers.
Richey, Evan.....	Brentwood.	Regmibal, J. Hector	Larchwood.
Randall, Lewis G.....	French River.	Reid, William T.....	Fort Frances.
Richardson, Chas. Marvyn	Trenton.	Ross, Sidney.....	Fort William.
Rochester, Daniel Baillie.	Ottawa.	Smith, M. D.....	Fort William.
Riddell, James.....	Ottawa.	Scanlan, William.....	Enterprise.
Rice, Asa S.....	Hull, Que.	Sutherland, D. H.....	Gravenhurst.
Roberts, T. A.....	Huntsville.	Spanner, John.....	Huntsville.
Ross, Andrew.....	Longford Mills.	Shier, James D.....	Bracebridge.
Rose, Donald M.....	Kenora.	Spooner, W. R.....	Katrine.
Rawson, Charles Edward.	Coldwater.	Simpson, Alfred E.....	Wakefield.
Ross, George.....	Waubauskene.	Souliere, John B.....	Ottawa.
Roberts, Percy T.....	Keewatin.	Shields, James A.....	Carleton Place.
Ritchie, Wm. D.....	Little Current.	Spargo, George.....	Ottawa.
Ramsay, Robert.....	Arnprior.	Smyth, W. H.....	Baysville.
Ritchie, J. F.....	Arnprior.	Salmon, R. H.....	Byng Inlet North
Ritter, Samuel G.....	Ahmie Harbour.	Salmon, Alexander C.....	Baysville.
Rothera, Charles F.....	Sturgeon Falls.	Stremer, A.....	Ottawa.
Ryan, Alfred.....	Byng Inlet.	Shields, Frank A.....	Parry Sound.
Rogers, Fred.....	Sault Ste. Marie.	Stapleton, John J.....	Ogidakie.
Reid, George William....	Fort Frances.	Sloan, William H.....	Fort Frances.
Robertson, John A.....	Kenora.	Smyth, Job E.....	Cache Bay.
Robinson, Wm.....	Bobcaygeon.	Sage, Nelson.....	Muskoka Mills.
Reid, Joseph B.....	Lindsay.	Seymour, Edward.....	Whitefish.
Ross, Walter M.....	Ottawa.	Shaw, Thomas B.....	Waubauskene.
Ruttle, H. A.....	Carleton Place.	Swanston, James.....	Peterborough.
Richards, Benedict.....	Ottawa.	Simpson, William.....	Hall's Bridge.
Regan, John.....	Orillia.	Sadler, Thomas.....	Lindsay.
Russel, Wm.....	Pembroke.	Smith, Patrick Albert....	Norman.
		Snaith, William J.	Mattawa.

List of Persons holding Cullers' Licenses.—*Continued.*

Name.	P. O. Address.	Name.	P. O. Address.
Sinn, William F.....	Arnprior.	Swallow, C. H.	Day Mills.
Sheppard, Wm. Joseph...	Waubauskene.	Strave, A. M.	Mine Centre.
Spears, Milton B.....	Barry's Bay.	Stewart, John	Fort Frances.
Stevenson, Arthur.....	Peterborough.	Sullivan, George L.	Rainy River.
Stein, Paul.....	Sault Ste. Marie.	Short, James	Kenora.
Shaw, Alfred.....	Thessalon.	Shaw, Fred. Jason	Thessalon.
Sequin, Napoleon.....	Spanish Station.	Short, Chas. J.	Kenora.
Scrim, Robert	Arnprior.	Smith, David H.	Sudbury.
Sharp, James A.....	Sudbury.	St. Hillaire, George	Arnprior.
Shaney, Harry S.....	Cook's Mills.	Souliere, Joseph C.	Cutler.
Smith, Wm.....	Ottawa.	Scott, J. C.	Fort Frances.
Stewart, Daniel.....	Braeside.	Stewart, Frank E.	Crozier.
Sheehan, Michael H.....	Waubauskene.	Sanders, Edward	Barwick.
Smith, Sydney H.....	Bracebridge.	Spence, William	Arnprior.
Stewart, James A.....	Pembroke.	Scott, Allan A.	Norman.
Sproule, Newton H.....	Schomberg.	Souliere, Max	Spanish Mills.
Simmons, Alex.....	Port Arthur.	Stewart, David	Cache Bay.
Scott, Thomas.....	Parry Sound.	Shaw, Donald	Keewatin.
Smith, Lawrence.....	W. Saginaw, Mich.	Smyth, C. W.	Fort Frances.
Shea, Stewart.....	Campbellford.	Stewart, Jas. Max	Winnipeg, Man.
Sullivan, John.....	Sault Ste. Marie.	Stewart, Russell C.	Winnipeg, Man.
Sinclair, Finlay.....	Sudbury.	Sisson, Heber P.	Hymers.
Shiels, Henry F.....	Cartier.		
Smith, Gideon Ousley...	Burk's Falls.	Taylor, Fred. L.	Parry Sound.
Smith, John Wallis.....	Thedford.	Thomas, Griff J.	Thessalon.
Smith, Henry G.....	Arnprior.	Thomson, R. D.	Biscotasing.
Story, John A.....	Ottawa.	Tait, Thomas B.	Burk's Falls.
Sweezy, Benjamin.....	Massey.	Taylor, C. M.	Gravenhurst.
Sheppard, Charles H.	Coldwater.	Thornton, W. D.	Longford Mills.
Seabrook, Alex.	Fabre P.O.	Trussler, Gilbert	Trout Creek.
Spreadborough, Newlands	Little Current.	Thompson, Geo. S.	Lindsay.
Sheffield, George	Chapleau.	Thompson, Fred. A. H.	Nosbonsing.
Sanders, William J.	Sudbury.	Thompson, Francis Hy. ..	Nosbonsing.
Sinclair, Armon D.	Arnprior.	Train, A. C.	Rowan Mills.
Smith, Sidney E.....	Ottawa.	Turgeon, Geo.	Cook's Mills.
Sleeman, Wm.	Rapid River.	Thayer, Wm.	Sault Ste. Marie.
Sheehan, Peter F.	Loring (canc'd).	Thompson, Alexander W..	Arnprior.
Sleeman, Geo.	Rapid River.	Taylor, Thos. G.	Gravenhurst.
Sims, Wm. K.	Sault Ste. Marie.	Trowse, A.	Arnprior.
Skahill, Wm.	Blind River.	Tucker, Louis A.	Fort Frances.
Shaw, George	Thessalon.	Thompson, Daniel	P't'ge du F'rt, Q.
Sarsfield, George Francis.	Sault Ste. Marie.	Thompson, Richard	Kenora.
Standish, Wm. H.	Batchawanning.	Thompson, Joseph H.	Bracebridge.
Simpson, Wm. A.	Lakefield. (Bay	Taylor, Edward A.	Westmeath.
Scollard, Wm.	Young's Point.	Tait, Ralph	Arnprior.
Shuttleworth, Alma	Trout Creek.	Train, William	Burk's Falls.
Shanacy, Wm. J.	Sprague.	Turner, Garvin F.	North Bay.
Seely, George	Arnprior.	Tilson, Joseph	Burk's Falls.
Stewart, Alex. W.	Lanark.	Tuffy, John	Cartier.
Soreny, Wm.	Braeside.	Thorpe, Thomas	Pembroke.
Schneder, Frederick	Cache Bay.	Taylor, Charles E.	Gravenhurst.
Smith, James D.	Kenora.	Tench, Arthur	Hekkla.
Sullivan, James	Aylmer.	Tulloch, William A.	Sault Ste. Marie.
Scully, Cornelius	Whitney.	Taylor, Alex. M.	Burnstown.
Savoy, Eutrope	North Bay.	Toner, J. A.	P't'ge du F'rt, Q.
Smith, Walter J.	Campbellford.	Thrasher, Henry G.	Pembroke.
Seymour, John J.	Whitefish.	Tooke, Frank	Bala.
Smith, Alex. R. C.	Burk's Falls.	Thorburn, Donald James..	Thessalon.
Stewart, Richard M.	Chelsea, Que.	Tetreault, Philias	Tomiko.
Souliere, John H.	Canoe Lake.		
Smith, Abraim G.	Quyon, Que.		

List of Persons holding Cullers' Licenses.—*Concluded.*

Name.	P. O. Address.	Name.	P. O. Address.
Tibbets, L. R.	Fort Frances.	Woods, Joseph F.	Roach's Point.
Tichborne, A. C.	Fort Frances.	Whaley, Thomas	Huntsville.
Thomson, Donald	Arnprior.	Webster, Wm. Alfred ...	Bracebridge.
Udy, Dean	French River.	Wornsdorf, Fred. Gutlep ..	Pembroke.
Urquhart, Elias	Gravenhurst.	Warrell, Wm.	Trout Creek.
Urquhart, Andrew	Barrie.	Wims, Peter	Blessington.
Vigrass, Percy J.	Dufferin Bridge.	Wickware, Philip Almont.	Cloyne.
Vincent, Joseph	Warren.	Wilson, Edward	Deseronto.
Vollin, Samuel	Nosbonsing.	Whelan, P. J.	McDougall.
Vannier, Nelson Joseph ..	Bobcaygeon.	Whyte, John Thos. Goth..	Ottawa.
Vincent, James	Fesserton.	Watterworth, J. A.	Sault Ste. Marie.
Vincent, Henry T.	Port Sidney.	White, Wm. James	Muskoka Falls.
Vanderburg, Norman	Wisawasa.	Warrell, George	Powassan.
Valois, Armand	Mattawa.	Wells, George W.	Little Current.
Villiers, Claude	Parry Sound.	Wilson, Frederick Gould..	Kenora.
Vanier, John	Sault Ste. Marie.	Wallace, John Thomas ..	Thessalon.
White, Thomas S.	Bracebridge.	Wilkins, George N.	Baysville.
White, A. Thomson	Pembroke.	Wylie, Byron M.	Webbwood.
Watt, R. A.	Spanish.	White, Allan	Pembroke.
Wilkins, Hughes	Blind River.	Warner, Franklin H.	Fort Frances.
Wallace, T. William	Blind River.	Watts, George	Fort Frances.
White, Joseph W.	Bracebridge.	Wood, Thomas	Parry Sound.
Watson, William	Huntsville.	White, William	Peterborough.
Webb, George W.	Parry Sound.	Woods, A. L.	Kenora.
Wilcox, Thomas	Parry Sound.	White, John B.	Kippewa, Que.
Wheeler, J. A. McL.	Tamworth.	Whelan, Peter M.	Renfrew.
Widdifield, C. H.	Pine Orchard.	Wilson, David	Kearney.
Whitmore, Edgar	Rosseau Falls.	Weston, Cecil	Dorset.
Wright, L. B.	Sault Ste. Marie.	Wilkins, George E.	Dorset.
Ward, Joseph W.	Ottawa.	Woodcock, Edward	Brownhill.
Wilkinson, W.	French River.	Wilson, Fred.	Callender.
Waldie, John E.	Victoria Harbour.	Wilson, Alexander R.	Thessalon.
Wigg, Thomas G.	Thessalon.	Webster, Henry R.	North Lake.
Wall, Patrick B.	Cheboygan, Mich.	Wallace, Fred. R.	Port Arthur.
Wells, John R.	Little Current.	Wallace, Clayton	Blind River.
Whiteside, John	Huntsville.	Wilson, Russell	Pembroke.
Watt, William	Peterborough.	Wheeler, George	Barwick.
Wilson, George	Lindsay.	Wall, G. L.	La Vallee.
White, Thomas	Parry Sound.	Williams, Edward R.	Port Arthur.
Wood, William D.	Sault Ste. Marie.	Younge, Harvey D.	Fort Frances.
Watts, John J.	Fort Frances.	Young, R. H.	Fort Frances.
Webster, George F.	Fort Frances.	Yuill, John Albert	Braeside.
Wright, Percy	Fort Frances.	Young, William	Severn Bridge.
Watts, William B.	Fort Frances.	Young, A. J.	Cache Bay.
Watson, William	North Bay.	Young, Samuel	Coldwater.
Wagner, Fred	Kenora.	Young, Patrick P.	Young's Point.
Wainwright, Edward C. ...	Huntsville.	Young, Francis G.	Young's Point.
Wilson, Wm. James	Deseronto.	Yuill, Thomas	Arnprior.
Weston, Frank R.	Midland.	Yuill, A. D.	Braeside.
White, James B.	Manitowaning.	Young, C. T.	Harvey.
Warren, Robert M.	Cache Bay.	Yuill, John Alex.	Arnprior.
Wilson, George A.	Balsam Hill.	Yuill, Archibald	Bracebridge.
Welch, Harold	Milberta.	Yuill, William	Braeside.
Wilson, James A., Jr. ...	Webbwood.	Young, Walter D.	Whitefish.
Woods, John R.	Antrim.		
Wardell, Ernest C. S. ...	Victoria Harbour.		

Total, 1,448.

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